CONSTRUCTION NEWS

PROPOSALS

For proposals Advertised see the pages immediately following the "Construction News" Section.

WATERWORKS

Bids Close		See Eng. News-Record
Nov. 1	Defiance, O.	Oct. 21
Nov. 8	Charlotte, Mich. Adv. Oct. 28.	Oct. 28
Nov. 16	Oxford, Mich. Adv. Oct. 14 and 28.	Oct. 21
Nov. 16	Oxford, Mich.	Oct. 28
Dec 1	Metuchen, N. J.	Oct 28

SEWERS

Nov. 1	East Gary, Ind.	Oct. 21
Nov. 1	Paterson, N. J.	Oct. 28
Nov. 3	Summit, N. J. Adv Oct. 21 and 28.	Oct. 28
Nov. 8	Syracuse, N. Y. Adv. Oct. 14 to 28.	Oct. 21
Nov. 9	Rayville, La.	Oct. 21
Nov. 10	Akron, O. Adv. Oct. 28.	Oct. 28

BRIDGES

Nov. 1	Jena, La.	Oct. 21
Nov. 3	Chatsworth, Ga.	Oct. 21
Nov. 3	Manning, S. C.	Oct. 21
Nov. 4	Ft. Worth, Tex.	Oct. 21
Nov. 5	Detroit, Mich. Adv. Oct. 14 to 28.	Oct. 21
Nov. 5	Norfolk, Va. Adv. Oct. 14 to 28.	Oct. 21
Nov. 8	Jefferson City, Mo. Adv. Oct. 28.	Oct. 28
Nov. 10	Long Branch, N. Y. Adv. Oct. 21 and 28.	Oct. 28
Nov 10	Bad Axe, Mich.	Oct. 28

STREETS AND ROADS

Oct. 29	New York Adv. Oct. 21 and 28.	Oct. 21
Oct. 29	Long Island Cty, N. Y.	Oct. 21
Oct. 30	Curwensville, Pa.	Oct. 28
Nov. 1	Indiana	Oct. 21
Nov. 3	Visalia, Cal.	Oct. 21
Nov. 3	Chatsworth, Ga.	Oct. 21
Nov. 3	New York, N. Y.	Oct. 28
Nov. 3	Tucson, Ariz.	Oct. 28
Nov. 3	Indiana	Oct. 28
Nov. 4	Ft. Worth, Tex.	Oct. 21
Nov. 4	Indiana	Oct. 28
Nov. 4	New York, N. Y.	Oct. 28
Nov. 5	Michigan	Oct. 28
Nov. 5	Montana	Oct. 28
Nov. 6	Junction City, Kan.	Oct. 14
Nov. 6	Lawrence, Kans.	Oct. 21
Nov. 6	Homer, La.	Oct. 28
Nov. 8	Arcadia, La.	Oct. 21
Nov. 8	Anahuac, Tex.	Oct. 21
Nov. 8	Pittsboro, N C.	Oct. 21
Nov. 8	Newberry, S. C.	Oct. 28
Nov. 8	Waxahachie, Tex.	Oct. 28
Nov. 8	San Marcos, Tex.	Oct. 28
Nov. 9	Maryland Adv. Oct. 28	Oct. 28
Nov. 9	Michigan	Oct. 28
Nov. 10	Alabama	Oct. 21
Nov. 11	Fredericksburg, Tex.	Oct. 21
Nov. 11	Arizona	Oct. 28
Nov. 12	Salina, Kans.	Oct. 21
Nov. 12	Birmingham, Ala.	Oct. 21
Nov. 13	Bay City, Tex.	Oct. 28
Nov. 15	Oskaloosa, Kan.	Oct. 21
Nov. 15	Indiana	Oct. 28
Nov. 16	Lyon, Kan.	Oct. 14
Nov. 16	St. Louis, Mo.	Oct. 28
Nov. 17	Providence, R. I. Adv. Oct. 28.	Oct. 28
Jan. 2	Duluth, Minn.	Oct. 28
Jan. 5	Colorado Springs, Col.	Oct. 21

EXCAVATION AND DREDGING

Nov. 1	Tampa, Fla. Adv. Sept. 30 to Oct. 28.	Oct. 7
Nov. 4	Sterling, Ill.	Oct. 21
Nov. 6	Illiopolis, Ill.	Oct. 28
Nov. 9	Norwalk, O.	Oct. 21

INDUSTRIAL WORKS

Nov. 1	Webb City, Mo.	Sept. 16
Nov. 1	Augusta, Ga	Oct. 21
Nov. 1	Long Island City, N. Y.	Oct. 28

BUILDINGS

Nov. 1	East Conemaugh (Johnstown P. O.), Pa.	Oct. 21
Nov. 1	Providence, R. I.	Oct 28
Nov. 1	Detroit, Mich.	Oct. 28
Nov. 1	Winnipeg, Man.	Oct. 21
Nov. 8	Tulsa Okla.	Oct. 28
Nov. 9	Detroit, Mich.	Oct. 28
Nov. 12	Pocahontas, Ia.	Oct. 21
Nov. 13	Bedford, O.	Oct. 28
Nov. 15	Baltimore, Md.	Oct. 28
Nov. 15	Enid, Okla.	Oct. 21
Nov. 16	Shelby, Ia.	Oct. 28
Nov. 22	Buffalo, N. Y.	Oct. 28
Dec. 6	Ossining, N. Y.	Oct. 21
Dec. 10	Brooklyn, N. Y.	Oct. 21
Jan. 2	Duluth, Minn.	Oct. 21
Jan. 2	Duluth, Minn.	Oct 28
Jan. 2	Cortland, N. Y.	Oct. 21

FEDERAL GOVERNMENT WORK

Oct. 30	Hoisting Plant—Washington, D. C.	Sept. 16
Oct. 30	Cable Hangars—Washington, D. C.	Oct. 14
Nov. 2	Mailing Vestibule—Washington, Pa.	Oct. 21
Nov. 2	Lumber Storehouses—Phila., Pa. Adv. Oct. 21 and 28.	Oct. 21
Nov. 3	Steam Locomotive Crane—South Boston (Boston P. O.), Mass.	Oct. 21
Nov. 3	Heating System—Spec. 4189—Mare Island Cal.	Oct. 28
Nov. 3	Distributing System—Spec. 4294 — South Charleston, W. Va.	Oct. 21
Nov. 4	Steel Acetylene Buoy Bodies—Tompkinsville, N. Y.	Oct. 21
Nov. 4	Repairing Assay Office—New York, N. Y.	Oct. 21
Nov. 5	Earthwork — St. Louis, Mo. Adv. Oct. 7 to 28.	Oct. 7
Nov. 5	Steel Barges—Vicksburg, Miss. Adv. Oct. 14 to 28.	Oct. 14
Nov. 8	Post Office—Front Royal, Va.	Oct. 21
Nov. 9	Loading Shed—Bloomington, Ill.	Oct. 28
Nov. 9	Electric Lighting System—Phila., Pa. Adv. Oct. 28.	Oct. 28
Nov. 10	Mezzanine Floor—Indianapolis., Ind. Adv. Oct. 28.	Oct 28
Nov. 10	Pumping Facilities—Wash. D. C.	Oct. 14
Nov. 10	Centrifugal Pumps, etc. — Wash., D. C. Adv. Oct. 21 and 28	Oct 28
Nov. 10	Electric Traveling Bridge Crane—Spec. 4250—New York, N. Y.	Oct. 28
Nov. 10	Steam Locomotive Crane — Spec. 4263—South Boston P O.), Mass.	Oct. 28
Nov. 11	Conduit, etc.—Wash., D. C.	Oct. 21
Nov. 15	Marine Hospital—Phila, Pa. Adv. Oct. 21 and 28.	Oct. 21
Nov. 15	Extending Mailing Vestibule, etc.—Akron, O.	Oct. 21
Nov. 15	Extension to Marine Hospital—Phila., Pa.	Oct. 23
Nov. 16	Extension to Mailing Vestibule—Portsmouth, O.	Oct. 28
Nov. 17	Marine Railway—Spec. 4254—Pearl Harbor, H. T.	Oct. 14
Nov. 17	Nurses Quarters—Spec. 4293—Puget Sound, Wash.	Oct. 28
Nov. 17	Ordnance Buildings—Spec. 4168—Pearl Harbor, H. T.	Oct. 14
Nov. 17	Remodeling Post Office and Court House—Sacramento, Cal.	Oct. 21
Nov. 18	Earthwork—St. Louis, Mo. Adv. Oct. 21 and 28.	Oct. 21
Nov. 18	Post Office—Athens, Tenn.	Oct. 28
Nov. 19	Altering Post Office and Custom House—Oswego, N. Y. Adv. Oct. 28.	Oct. 28

MISCELLANEOUS

Oct. 29	Terminal — Rouses Point, N. Y. Adv. Oct. 7 to 28.	Oct. 7
Oct. 29	Foundations — Rochester, N. Y. Adv. Oct. 7 to 28.	Oct. 14
Nov. 1	Basement—Casper, Wyo.	Oct. 21
Nov. 1	Smelting Improvements — Galena, Kan.	Oct. 21
Nov. 1	Ferryboat — New York N. Y.	Oct. 21
Nov. 1	Testing Machine, etc.—Detroit, Mich.	Oct. 28
Nov. 2	Supplies—Toronto, Ont.	Oct. 21
Nov. 2	Backfiller—Detroit, Mich.	Oct. 21
Nov. 3	Springfield, Mass.	Oct. 21
Nov. 5	Dumping Scows—New York N. Y.	Oct. 21
Nov. 9	Power Plant Equipment — Michigan City, Ind. Adv. Oct. 28.	Oct. 21
Nov. 16	Head Gates—Baldwinsville, N. Y. Adv. Oct. 21 and 28.	Oct. 21
Nov. 16	Dockwall—Buffalo, N. Y.	Oct. 21
Nov. 22	Lock and Dam—Chicago, Ill. Adv. Oct. 21 and 28.	Oct. 21
Nov. 23	Heating, etc. —Ossining, N. Y. Adv. Oct. 28.	Oct. 28

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk or corresponding official.

Waterworks

PROPOSED WORK

Conn., New Britain—City plans to develop first unit of underground waterway sources adjacent to the Whigville Reservoir pipe line. Work includes water sheds, wells, pumping plant, etc. J. D. Miller, city engr. Haxen-Whipple & Fuller, 30 East 42nd St., New York City consult. engrs. Total cost to exceed $3,000,000.

Ky., Harrodsburg—City election, Nov. 2, to vote on $200,000 bonds to improve waterworks system and electric light and power plant. Greeley, Pearce & Hansen, 39 West Adams St., Chicago, Ill., engrs.

Ind., East Chicago—City having designs made by Greeley, Pearce & Hansen, engrs., 39 West Adams St., Chicago, Ill., for pumping station. About $150,000.

Mich., Hamtramck (Detroit P. O.)—Village plans to lay watermain extensions, involving 3,870 ft. 6 in. c.i. pipe, etc. About $25,000. G. Jerome, 1331 Majestic Bldg., Detroit, engr.

Mich. Ramsey—City having plans prepared by Alvord & Burdick, engrs., 8 South Dearborn St., Chicago, for new waterworks system. About $75,000.

Mich., Trenton—City having plans prepared by C. W. Hubbell, engr., 2348 Penobscot Bldg., Detroit, for watermain extensions and filtration plant, to include laying c.i. pipe and building filter bed.

Ill., Sesser—City plans to build waterworks system. C. B. Mautz, Benton, engr.

Wis., Brandon—Village election Nov. 2, to vote on $50,000 bonds to build waterworks plant and sewerage system. Engineer not selected.

Wis., Janesville—City having plans prepared for addition to water supply system. Alvord & Burdick, 8 South Dearborn St., Chicago, engrs.

Wis., Prairie du Chien—City having plans prepared for furnishing additional water supply, to include wells and new pumping station. Alvord & Burdick, 8 South Dearborn St., Chicago, engrs.

Wis., Racine—Alvord & Burdick, engrs., 8 South Dearborn St., Chicago, prepared report recommending abandonment of present water station, installation new pumps and filtration plant, new 36-in. intake from Lake Michigan, and $400,000 addition to distributing system. About $2,000,000. Above work now waiting on decision of City Council.

Wis., Sheboygan—Common Council instructed C. U. Boley, city engr., to investigate project of drilling wells at pumping station in preference to installing filtration plant. Work will include new pump house. About $25,000.

Wis., Stevens Point—Stevens Point Water Co., 526 North 8th St., Manitowoc, plans to improve water station here. Work includes new pumping station, etc. T. W. Gray, mgr. Engineer not selected.

Wis., West Allis (Milwaukee P. O.)—City having plans prepared building concrete reservoir and water mains in 38th Ave. Cost between $100,000 and $125,000. A. Schneider, city engr.

Minn., Osakis—City plans to build pumping station and purchase equipment. About $10,000. C. L. Pillsbury Co., 805 Metropolitan Life Bldg., Minneapolis, engrs.

Minn., St. Paul—City election Nov. 2, to vote on $3,000,000 bond issue to enlarge water plant, involving 8 mi. pipe line to Mississippi River, pumping station, filter plant, etc. O. Claussen, city engr.

Kan., Ottawa—City voted $165,000 bonds to improve water-works system and electric light plant. Engineer not selected. Noted Sept. 9.

Kan., Peabody—City had plans prepared for small pump house and 9 mi. c.i. mains. About $180,000. Black & Veatch, Mutual Bldg., Kansas City, Mo., engrs.

N. D., Dickinson—City voted $28,000 bonds to improve water-works system.

Mo., Plattsburg—City having surveys made by E. T. Archer Co., engrs., New England Bldg., Kansas City, for new waterworks plant. About $75,000.

Tex., Iowa Park—Town voted $55,000 bonds to build extensions to water-works system.

Tex., Paducah—Cottle Co. Chamber of Commerce and business interests have joined and plan to build waterworks system. About $150,000. H. E. Elrod Co., Interurban Bldg., Dallas, engrs.

Tex., Wichita Falls—City voted $200,000 bonds to extend waterworks system. J. Montgomery, city engr. Noted Oct. 7.

Okla., Spiro—City plans election to vote on $90,000 bonds to build waterworks and sewerage systems. H. G. Olmsted, 415 Oil Exch. Bldg., Oklahoma, engrs.

Okla., Tulsa—City plans election, in November, to vote on $350,000 bonds, to build six additional filter units, 10,000,000 gal. basin, 2,500,000 gal. concrete reservoir and two boilers. Holway Eng. Co., 230 Lynch Bldg., Tulsa, engrs.

Ont., London—City plans to develop sulphur well with plant for purifying water. About $30,000. H. V. Buchanan, Pub. Utilities Bd, engr.

BIDS DESIRED

Mich., Charlotte—Until Nov. 8, by H. O. Talbert, city clk., installing steam pumping engine and air compressor; advertised in this issue.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**Mich., Detroit**—Water Bd. will lay watermains in Floyd, Gable, Fisher, Lonyo, Grandy, Wyman, Shields and Martin Aves., involving 5,203 ft. 6-8 in. c.i. pipe. Work will be done by day labor.

★**Tex., Wichita Falls**—State Bd. Control, Austin, let contract building water supply plant, at Northwest Texas Insane Asylum, here, to James Constr. Co., Dallas, $45,300.

Wash., Bremerton—City let contract installing watermains, hydrants, valves, gates, etc., involving 20,000 ft. 6 in. wood pipe and 1,700 ft. c.i. pipe, to F. N. Badolato, Builders' Exch., Seattle; $53,505.

Sewers

PROPOSED WORK

N. H., Manchester—City plans to extend sewerage system in various streets. About $50,000. M. F. Shea, dir. pub. wks.

Mass., Lynn—City plans to extend sewerage system in Pearl St. About $25,000. Metcalf & Eddy, 14 Beacon St., Boston, engrs.

Mass., North Chelmsford—Town plans to build vitr. sewers in various streets. About $25,000. Architect not selected.

N. J., Verona (Montclair P. O.)—Essex Co. (Newark) having plans prepared for sewerage system and sewage disposal plant to connect Essex Mountain Sanitarium with Overbrook Hospital. About $15,000. F. J. Reimer, co. engr.

N. C., Idlewild—Comrs. Pub. Wks., Raleigh, plan to build 1½ mi. sewers and ½ mi. watermains in various streets, here. About $15,000. J. B. Bray, city engr.

S. C., Spartanburg—City voted $50,000 bonds to extend sewerage system. Noted May 6.

Ind., Bloomington—City having plans prepared and receives bids about Jan. 1, enlarging sewage disposal plant. About $60,000. Albord & Burdick, 8 South Dearborn St., Chicago, engrs. Noted March 11.

Ind., East Chicago—City having designs made by Greely, Pearce & Hansen, engrs., 39 West Adams St., Chicago, Ill., for sewage treatment plant. About $320,000.

Ill., Carbondale—City soon receives bids building extension to sewerage system. About $50,000. W. J. Brown, clk.

Ill., East Moline—City having plans prepared building 4 mi. 36-84 in. sewers in various streets. About $225,000. Alvord & Burdick, 8 South Dearborn St., Chicago, engrs.

Ill., Kewanee—City having plans prepared for installation of intercepting sewers, tanks and sprinkling filters. About $250,000. Alvord & Burdick, 8 South Dearborn St., Chicago, engrs. Noted March 11.

Ill., Rockford—City having plans prepared building intercepting sewers, cost $600,000, settling tanks and chlorination plant, $220,000. Alvord & Burdick, 8 South Dearborn St., Chicago, engrs.

Ill., Sesser—City plans to build sewerage system. C. B. Mautz, Benton, engr.

Wis., Brandon—See "Waterworks."

Wis., Kiel—Village Council plans to build vitr. sewers in West Fremont and State Sts. About $18,000. Engineer not selected.

Wis., Oshkosh—City plans to extend sewerage system. About $45,000.

Neb., Lincoln—City having plans prepared by Alvord & Burdick, engrs., 8 South Dearborn St., Chicago, for sewage disposal plant. About $330,000.

Tex., Weatherford—Town voted $25,000 bonds to build extension to sewerage system.

Tex., Wichita Falls—City voted $700,000 bonds to build extensions to sanitary sewerage system and $260,000 for extensions to storm sewers. J. Montgomery, city engr. Noted Oct. 7.

Okla., Spiro—See "Waterworks."

Okla., Waynoka—City having preliminary survey made by H. J. Olmsted & Co., engrs., 417 Oil Exch. Bldg., Oklahoma City, for erection of disposal plant, involving 8-12 in. tile pipe. Election in November to vote on $60,000 bonds for project.

BIDS DESIRED

N. J., Paterson—Until Nov. 1, by Passaic Valley Sewerage, Comrs., 128 Market St., Newark, building portion of Sect. 21, Prospect Branch Sewer, involving 210 lin.ft. earth and 100 cu.yd. rock excav., etc. J. H. Quigg, clk. Noted Aug. 26.

N. J., Summit—Until Nov. 3, by Common Council, building brick and concrete sewage pumping station. F. C. Kentz, clk.; advertised in this issue.

O., Akron—Until Nov. 10, by E. A. Zeisloft, dir. Pub. Serv., building Willow Run Trunk Sewer from Market to Exchange Sts. J. E. Root, engr.; advertised in this issue.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**Mass., Boston**—Pub. Wks. Dept., City Hall Annex, let contract building vitr. sewerage system, in Farragut Rd. extension to A. Barnfaldi, 5 Parker Pl., Somerville, $37,398.

★**Mass., South Boston** (Boston P. O.)—City let contract building overflow extension in N and K Sts., Old Harbor, to Bay State Dredging Co., 62 Condor St., Boston, $51,393.

★**Conn., Hartford**—City let contract building vitr. sewers in Burnham, Euclid and Morningside Sts., to N. C. Casciano Co., 20 Lilley Rd., West Hartford. About $15,000.

★**Conn., Waterbury**—City let contract building vitr. sewer in Woodruff and Revere Sts., to S. D. Simone, P. O. Box 551. About $15,000.

N. Y., Long Island City—M. E. Connolly, pres. Queens Boro., received bids Oct. 20, building sewers in (a) Pierce Ave. from 4th to 5th Aves., (b) Beeckman St. from State to Mitchel Aves., (c) South St. from tracks of Long Island R.R. to Rockaway Turnpike and in Rockaway Turnpike from South St. to Lincoln Ave., (d) regulating and grading sidewalk space and laying sidewalks in Maspeth Ave. from Cleremont Ave. to Grand St., from C. Kurth, (a) $1,269, (d) $1,890; J. F. Clancy, (a) $1,329, (b) $6,746; Green Contg. Co., 734 Vernon Ave., Brooklyn, (a) $1,663, (b) $7,708, (c) Type "B," $46,732; Pease Bros. (a) $1,763, (b) $6,459, (c) Type "A," $54,842, Type "B," $45,842, (d) $2,860; Kennedy & Smith, 94 Main St., Flushing, (a) $1,816, (b) $7,183, (c) Type "B," $45,644, (d) $3,495; Rotti & Co., (c) Type "A," $35,850, "Type "B," $35,850; J. H. Johnson, (c) Type "B," $37,078; A. Paino, (c) Type "B," $42,558; T. King, (c) Type "B," $42,624; Scott Bros. (d) $2,840. Noted Oct. 14.

★**N. Y., Long Island City**—M. E. Connolly, pres. Queens Boro., let contract building sewer in Lurting St., to J. F. Clancy, $33,955; Fulton St., to J. H. Johnson, Inc., $5,008. Noted Oct 14.

★**N. Y., Marcy**—State Hospital Comn., Capitol, Albany, let contract building underground sewerage and water supply con-

Sewers (Continued)

nections at Utica State Hospital, here, to Scott Bros., Arlington Blk., Rome, $445,-745. Noted Oct. 14.

N. Y., Middletown—State Hospital Comn., Capitol, Albany, received bids Oct. 20, building underground sewer connections at State Hospital, here, from T. E. O'Brien, 6:11 5th Ave., Brooklyn, $25,700; R. B. Nellis Scotia, (Schenectady P. O.) $27,400. E. W. Tompkins & Co., 27 Grand St., Albany, $38,000. Noted Oct. 7.

Mich., Detroit—City received bids furnishing labor and material (except iron manhole rings and covers) building complete with backfill, Lateral Sewer 3,310 between Livernois, Canterbury and Pembroke Sts. and Seven Mile Rd., (b) 3,314 between Arlington, Maine, Carpenter and Davison Sts., (c) 3,316 between Greeley, Dequindre, Davison and Drake Sts., (d) 3,333 between Lumley, Springwells and Kirkwood Sts., (e) 3,334 between Springfield St. and alley east of Fairview, Shoemaker and Hearns Sts., (f) 3,337 between Woodward, Bauman and Carmel Sts. and Seven Mile Rd., (g) 3,339 between John R., Greendale and Hildale Sts. and tracks of Grand Trunk R.R., (h) 3,341 between John R. St. and alley 1,300 ft. east of Savannah and Greendale Sts., (i) 3,354 between Charleston, Exeter Sts., Seven Mile Rd. and point 190 ft. north of Lantz St., (j) 3,355 between Exeter St., alley east of Derby St., Seven Mile Rd. and tracks of Grand Trunk R.R., (k) 3,360 between Coventry, Lindale and Lantz Sts. and Seven Mile Rd., (l) 3,361 between tracks of Grand Trunk R.R., Lantz, John R. and Coventry Sts., (m) 3,362 between Oakland, Hawthorne, Lantz and State Sts., (n) 3,363 between Seven Mile Rd., Lindale, Irvington and Lantz Sts., (o) 3,364 between Coventry, Irvington, Lantz and State Fair Sts., (p) 3,365 between John R., Coventry, Lantz and State Fair Sts., (q) 3,366 between Cecil, Braden, Martin and Michigan Sts. and point north of Horatio St., (r) 3,367 between Beaconsfield, Rifle Range, Munich and Mack Sts., (s) 3,369 between Buckingham, Bedford, Warren and Harper Sts., from R. D. Baker, 1454 Penobscot Bldg., (a) $228.750, (b) $36,719, (c) $78,849, (d) $14,693, (i) $30,000, (j) $23,773, (m) $16,000, (n) $31,082, (q) $35,000; W. Blanck & Co., 827 Ford Bldg., (a) $155,814, (b) $35,719, (c) $64,382, (f) $26,172, (h) $19,960, (j) $20,125, (q) $20,938; V. Teetaert, 5230 Notre Dame St., (a) $136,630, (e) $14,920, (r) $42,266; Liberty Constr. Co., 917 Chamber of Commerce, (d) $14,-915, (e) $18,950, (f) $33,212, (g) $18,845, (h) $23,997, (o) $16,400 (s) $70,000; S. A. Duponvich, c/o Dept. Pub. Wks., Detroit, (d) $13,100; Lennane Bros., 809 Union Trust Bldg., (e) $18,271; Otis Cement Constr. Co., 806 Hammond Bldg., (f) $25,-146, (g) $14,980 (h) $15,936, (i) $24,591, (j) $16,996; Western Constr. Co., 1208 Ford Bldg., (g) $18,992, (i) $25,956, (k) $8,798, (l) $5,393, (m) $15,850, (n) $23,-990, (o) $13,840, (p) $3,923; McCordic Constr. Co., 400 Penobscot Bldg., (k) $7,775, (l) $4,833, (m) $13,306, (n) $23,688, (o) $13,031, (p) $3,828; Lennane & McIlvenna, 1205 Book Bldg., (k) $8,000 (l) $4,900, (p) $3,850; Langley & Barton, Penobscot Bldg., (r) $42,358, (s) $62,638; Detroit Contg. Co., 827 Ford Bldg., (r) $39,800, (s) $72,165. Noted Oct. 21.

★**Ill., Chicago**—Sanitary Dist., 910 South Michigan Ave., let contract building Calumet Sewage Treatment Plant, to T. J. Forschner Contg. Co, 125th St. and Michigan Ave., $4,900,527; installing conduits in Calumet sewage disposal plant, to Amer. Sewer & Drain Constr. Co., 2816 North Washtenaw Ave., $588,227.

★**Wis., Cedarburg**—City let contract building new sewerage and water-works system, to Brogan & Burns, Green Bay. About $83,000.

★**Wis., Manitowoc**—City let contract excavating and laying storm and domestic sewers in Philippen St. from 10th to 14th Sts., to Nelesen & Braunel, 306 North 8th St. About $16,500.

★**Wis., Wauwatosa**—Milwaukee Co. (Milwaukee) let contract remodeling sewage disposal plant, here, to Kroening Constr. Co., Majestic Bldg., Milwaukee, $27,252. Noted Oct. 14.

★**Minn., Freeport**—City let contract building 2 mi. sanitary sewerage system, involving 5,852 lin ft 8-10 in. vitr. pipe, 110 lin.ft. 8 in. Class "A" water pipe, 11,667 lin.ft. excav. twenty-three 5 ft. manholes, etc., to Schruth & Jackson, 633 Plymouth Bldg., Minneapolis. About $17,000

★**Tex., Dallas**—City let contract building storm sewers in South Lamar St., from Young to Powhatan Sts.; and Cadiz St., from Mill Creek to Austin St., to Cramer & Cullum, Dallas, $29,665.

★**Tex., Wichita Falls**—State Bd. Control, Austin, let contract building sewage disposal plant, at Northwest Texas Insane Asylum, here, to James Constr. Co., Dallas, $47,700.

Wash., Seattle—City received bids building sewers in Hinds St., et al. (a) clay pipe, (b) concrete pipe, from Fiorito Bros., 6022 2nd St., N. W.; (a) $46,095, (b) $43,547; Coluccio & Erickson, Seattle, (a) $46,436, (b) $43,577; Sweeney & Galucci, Seattle, (a) $47,625, (b) $44,264.

Bridges

PROPOSED WORK

Conn., Bridgeport—City plans to build steel bridge with concrete foundation, over Pequonnock River, on East Washington Ave. About $150,000. Private plans.

N. Y., Mays Landing—Bd. Freeholders Atlantic Co. plans to build steel bridge on Mays Landing-Pleasantville Rd. About $45,000. A. H. Nelson, Guarantee Trust Bldg., Atlantic City, engr.

North Carolina—State Highway Comn., Raleigh, plans to build one 70 ft. rein.-con., arch bridge, (solid barrel arch and earth filled spandrels), 18 ft. roadway, on Federal Aid Project 96, Yancey Co., also small rein.-con. bridges and culverts, on Federal Aid Project 48 B, Northampton Co. About $15,000 and $16,000 respectively. W. S. Fallis, state highway engr.

North Carolina—State Highway Comn., Raleigh, plans to build 315 ft. rein.-con. bridge over Roanoke River, at Edwards Ferry, between Halifax and Northampton Counties, cost $125,000; rein.-con. bridges and culverts on Federal Aid Project 68, Sampson Co., $295,000. W. S. Fallis, state highway engr.

Ia., Manchester—Delaware Co. soon receives bids building 174 ft. concrete bridge over Maquoketa River, to have 26 ft. roadway and pedestrian walk on each side. About $50,000. Noted May 27.

Kan., Abilene—City and Comrs. Dickinson Co. having plans prepared by Marsh Eng. Co., engrs., 206 Masonic Temple, Des Moines, for 120 ft. rein.-con. girder bridge, on 3rd St., to have three 40 ft. spans, 28 ft. roadway and two 5 ft. walks. About $35,000.

BIDS DESIRED

N. Y., Long Beach—Until Nov. 10, by Bd. Supervs Nassau Co., Mineola Court House, Mineola, building bascule bridge over Wreck Lead, here. J. Merritt, clk.; advertised in this issue.

Pa., Pittsburgh—Pittsburgh Ry. Co., 435 6th Ave., receiving bids building 110 ft., rein.-con. and steel highway bridge, 31 ft. wide, over Oak Grace Sta. About $30,000.

Mich., Bad Axe—Until Nov. 10, by F. F. Rogers, state highway comr. at office of Bd. Rd. Comrs., Huron Co., building 2 concrete abutments and one 100 ft. low truss with 18 ft. roadway, over Pigeon River, McKinley Twp., involving 38 cu.yd. rein.-con., 309 cu.yd. concrete, 87,000 lb. steel and 200 cu.yd. channel change.

Mo., Jefferson City—Until Nov. 8, by Clerk Cole Co., Court House, building steel bridge over Osage River, near Huber's Ferry, Federal Aid Project 12. E. F. C. Harding, Co. engr.; advertised in this issue.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**Pa., Williamsport**—Lycoming Co. let contract improving Jersey Shore Bridge, involving building creosoted wood floor, constructing sidewalks, painting, etc., to Standard Eng. Co., Toledo, O., $20,744.

★**W. Va., Moundsville**—See "Streets and Roads."

★**North Carolina**—State Highway Comn., at div. office, Greensboro, let contract building small rein.-con. bridges and culverts, on Federal Aid Project 98 A, Moore Co., to J E. Lane & Co., Altavista, Va., $87,-940. Noted Oct 21.

★**Ia., Charlton**—Lucas Co. let contract building one 20 x 20 ft. skew I-beam bridge, one I-beam bridge with two 24 ft. and one 32 ft. spans, 20 ft. roadway, also one 20 x 50 ft. pony truss bridge, to F. E. Marsh & Co., Jefferson, $19,500. Work involves 320 cu. yd. rein.-con., 2,464 lin.ft. wooden piling, 31.3 ton structural steel and 10.8 ton steel bars.

★**S. D., Yankton** — Meriden Highway Bridge Co., Yankton, let contract building substructure for steel and concrete bridge over Missouri River, double deck length, including approaches, 5,820 ft., span length 1,680 ft., to Missouri Valley Bridge & Iron Co., 4th and Walnut Sts., Leavenworth, Kan., $397,500. Total cost, $1,500,000.

★**Kan., Lyndon**—Osage Co. let contract building 114 ft. bridge, 20 ft. roadway, near Quenemo, to C. C. Clark, North Topeka, $23,033; 160 ft. bridge, 20 ft. roadway, 4 mi. north of Quenemo, to Maxwell Constr. Co., Columbus, $28,210. Noted Sept. 30.

★**Ariz., Wickenburg** — State Highway Dept., Phoenix, let contract building two 100 ft. steel trusses for span across Hassayampa River, on Federal Aid Project 31, to Allied Contr. Co., Inc., Omaha, $17,398. Noted Oct. 21.

Streets and Roads

PROPOSED WORK

Mass., Lynn—City plans to widen Merrimac St. About $50,000. W. L. Vennard, city engr.

Conn., Milford—Town plans to pave various streets. About $110,000. Private plans.

New Jersey—State Highway Dept., Trenton, plans to expend $70,000 on experimental road building in South Jersey and Perth Amboy. (No bids on above project.)

Va., Tazewell—Tazewell Co. plans to pave 1 1/5 mi. West Graham Rd., concrete. About $35,000. H. L. Clairborne, Fredericksburg, engr.

North Carolina—State Highway Comn., Raleigh, plans to improve 11.6 mi. road from Stokes-Surry Co. line, via Pinnacle and King to Stokes-Forsyth Co. line, Federal Aid Project 121, 18 ft. wide, Stokes Co. Work includes clearing and grubbing, common and rock excav., one 70 ft. and one 400 ft. bridge, concrete culverts, etc. About $130,000. W. S Fallis, state highway engr.

North Carolina—State Highway Comn., Raleigh, had plans prepared for 12.5 mi. road between Leechville and point north of Swann Quarter, Federal Aid Project 88, 30 ft. wide, involving 91 acres clearing and grubbing, 6,410 cu.yd. common excav., 160,-750 cu.yd. borrow (or dredging), nine 3 x 3-4 x 8 ft. rein.-con. culverts, two 40 ft. rein.-con. deck girder, one 18 ft. and one 20 ft. rein.-con. slab bridges, cost $160,000; 4.2 mi. road running from Swan Quarter, north to connect with above-mentioned road, Federal Aid Project 87, 30 ft. wide, Hyde Co., 137,644 cu.yd. earth borrow, 1,172 18-24 in. pipe, 466 cu.yd. Class A concrete, 34,280 lb. reinforcing steel, 390 ft. untreated timber piling, etc., $130,000. W. S. Fallis, state highway engr.

S. C., Charleston—Comrs. Charleston Co. plan to build road from city line here to Otranto Fork, 80 ft. wide. J. W. Martin, Charleston, engr.

S. C., Spartanburg—City voted $300,000 bonds to improve various streets. Noted May 6.

Fla., Sebring—Town plans election to vote on $115,000 bonds to pave 14-17 mi. Scenic Highway, Lake Rudy Blvd., Clinch Show Drive, Ida Branch, Wall, Orange, et al. Sts., 9 and 15 ft. wide, vitr. brick, concrete curbing. Total cost, $345,000.

Fla., Tarpon Springs—City plans election to vote on $61,000 bonds to pave 2.6 mi Lemon, Lime, Orange, Pine, Park, Chillto, Hibiscus, et al. Sts., Lewis, Grosse, Safford and Ring Aves., 18 ft. wide. Work includes vitr. brick pavement and 5.2 mi. concrete curbing

Fla., Tavares—Comrs. Lake Co. plan election to vote on $625,000 bonds to build 24 mi. road from Mt. Dora to Tavares, Eustis, St. Johns River, Cassia and Sorrento, 16 ft. wide, asphalt and sand clay. E. J. Close, Tavares, engr.

O., Cleveland—City plans to grade, drain, curb and pave with brick on concrete base East 117th St. from Union to Craven Aves. and East 107th St. from Euclid to Wilbur Aves. About $105,250. R. Hoffman, 618 City Hall, engr.

O., Cleveland—City plans to grade, drain and pave Willowdale Ave. and West 18th St. between West 25th St. and Forestdale Ave.; Baltic Rd. between West Blvd. and West 110th St., sheet asphalt on concrete

Streets and Roads (Continued)

base, cost $144,000; Chester Ave. from East 17th to East 21st Sts., Carroll Ave. from West 25th to West 28th Sts., asphalt or brick on concrete base, $102,000. R. Hoffman, 618 City Hall, engr.

O., Cleveland—City plans to grade, drain, curb and pave Oakwood Rd. from Dundee to Eddy Rds., Fidelity Ave. from West 105th to West 110th Sts., Montana Ave. from West 58th St. to westerly end, brick on concrete base, cost $56,000; East 106th St. from Union to Elliott Aves; Evelyn Ave. from Scranton Rd. to end of pavement, Hood Ave. from West 21st to West 28th Sts., brick or bituminous concrete on concrete base, $84,000. R. Hoffman, City Hall, engr.

Ill., West Frankfort—Denning Twp. voted $60,000 bonds to build concrete road west of here. C. B. Mautz, Benton, engr.

Ia., Lamont—City soon receives bids paving 25 blocks, rein.-con., asphaltic concrete, bitulithic or brick. About $80,000. Shockley Eng. Co., 801 Graphic Arts Bldg., Kansas City, Mo., engrs.

Minn., International Falls—City plans to expend about $200,000 for street improvements next year.

Kan., Fredonia—Wilson Co. had plans prepared improving 2.26 mi. road, 4 mi. west of here, 16 ft. wide, involving 9,736 cu.yd. earth and 600 cu.yd. borrow excav., 21,769 sq.yd. feather edge gravel, 130 cu. yd. Class "A," 77 cu.yd. Class "C" and 6 cu.yd. handrail concrete, 11,780 lb. steel, 224 ft. 15-18 in. vitr. clay pipe, etc.

Neb., Wisner—City rejected bids received Oct. 7, paving streets in Dists. 1, 2 and 3. Work will be readvertised in spring. Noted Sept. 23.

Missouri—State Highway Dept., Jefferson City, plans to build 8.5 mi. Alexandria-Wayland Rd. (Wayland Special Rd. Dist.), Clark Co., involving 34,000 cu.yd. earth excav., 62,022 sq.yd. gravel pavement, 15 culverts, cost $81,261; 1.75 mi. Keokuk-Wayland Rd. (Wayland Special Rd. Dist.), Clark Co., 9,000 cu.yd. earth excav., 16,521 sq.yd. gravel pavement, 3 culverts, one 30 ft. concrete bridge, $35,410; 4 mi. Jefferson Highway (Blue Star Special Rd. Dist.), Barton Co., 4,848 cu.yd. earth excav., 28,160 sq.yd. Joplin chats pavement, 8 in. deep, 12 ft. wide, 2 culverts, extensions to 5 old culverts, one 30 ft. rein.-con. bridge, $16,000; 7 mi. Carthage-Springfield Rd. (Avilla Special Rd. Dist.) Jasper Co., 22,765 cu.yd. earth excav., 42,280 sq.yd. gravel surfacing, 7 culverts, extensions to 14 old culverts, $29,400; 6 mi. Carthage-Springfield Rd. (Carthage Special Rd. Dist.) 100 cu.yd. rock excav., 36,240 sq.yd. gravel pavement, 5 in. deep, 12 ft. wide, 7 culverts, extensions to 10 old culverts, $31,200; 13.5 mi. Kings Highway, Pemiscot Co., 26,500 cu.yd. earth excav., 26 culverts, one 70 ft. and one 55 ft. steel, two 35 ft., one 25 ft. and one 40 ft. concrete bridges, $43,089; 22 mi. Cape Girardeau-Springfield Rd., Bollinger Co., 100,000 cu.yd. excav. 10 per cent rock, 77,440 sq.yd. gravel pavement, 70 culverts, one 300 ft. concrete, one 150 ft. and one 60 ft. steel bridges, $154,455.

Missouri—State Highway Dept., Sedalia, received no bids Oct. 15 building 4.76 mi. Sedalia-Marshall Rd., 24 ft. wide, Federal Aid Project 122, Pettis Co., cost $57,270. Noted Sept. 30.

Mo., Columbia—Boone Co. having surveys made for grading and building bridges on 40 mi. road, 24 ft. wide. Elston, Axon & Russell, 309-11 McDaniel Bldg., Springfield, engrs.

Mo., Eminence—Shannon Co. having surveys made for grading and building bridges on 20 mi. road, 24 ft. wide. Elston, Axon & Russell, McDaniel Bldg., Springfield, engrs.

Mo., Greenfield—Dade Co. having plans prepared for graveling 32 mi. road, 24 ft. wide. Elston, Axon & Russell, 309-11 McDaniel Bldg., Springfield, engrs.

Mo., Herman—Gasconade Co. having surveys made for grading and building bridges on 20 mi. road, 24 ft. wide. Elston, Axon & Russell, 309-311 McDaniel Bldg., Springfield, engrs.

Mo., Linn—Osage Co. having surveys made grading and building bridges on 15 mi. road, 24 ft. wide. Elston, Axon & Russell, McDaniel Bldg., Springfield, engrs.

Mo., Salem—Dent Co. having surveys made for grading and building bridges on 18 mi. road 24 ft. wide. Elston, Axon & Russell, McDaniel Bldg., Springfield, engrs.

Mo., Trenton—City plans to pave 21 block East 7th and La Clede Sts., 4 blocks 30 ft. wide, 17 blocks 24 ft. wide, tarvia pavement, concrete curb and gutter. Engineer not selected.

Mo., Van Buren—Carter Co. having plans prepared for grading and building bridges on 4 mi. road, 24 ft. wide. Elston, Axton & Russell, McDaniel Bldg., Springfield, engrs.

Tex., Kaufman—Kaufman Co. rejected bids received Sept. 28, surfacing with ⅜-in. bituminous topping, 10.54 mi. Highway 40 through Precinct 1, and 16.21 mi Highway 15, Federal Aid Project 130. Noted Sept. 2 and 9.

Tex., Marlin—Falls Co. rejected bids received Sept. 30, bituminous topping 6.78 mi. Highway 2 through Precinct 1. Work will be readvertised. Noted Oct. 14.

Tex., Paris—Lamar Co. rejected bids received Sept. 24, grading, surfacing and draining 4.8 mi. Highway 19 east and west through here; 4.85 mi. Highway 5 north and south through here. Work will be readvertised. W. M. Fooshu, co. engr. Noted Oct. 7.

Tex., Sanderson—Terrell Co. voted $250,000 bonds to build link across county on Robert E. Lee Highway.

Tex., Tyler—Smith Co. rejected bids received Oct. 5, building 2.45 mi. Highway 37 north from Linsdale. Above action taken on account of unstable and declining condition of market for bonds Work postponed until later date. D. K. Caldwell, co. engr. Noted Sept. 30.

Tex., Wichita Falls—City voted $340,000 bonds to pave various streets. J. Montgomery, city engr. Noted Oct. 7.

Cal., San Diego—San Diego Electric Ry. Co., Union Bldg., San Diego, plans to expend $40,000 during fiscal year on repaving along tracks and replacing tracks with heavy rails.

BIDS DESIRED

R. I., Providence—Until Nov. 17, by Water Supply Bd., City Hall, surfacing 3.4 mi. Plainfield Pike, bituminous concrete. F. E. Winsor, ch. engr.; advertised in this issue.

N. Y., New York—Until Nov. 3, by H. H. Curran, pres. Manhattan Boro., regulating and repaving with granite block on concrete foundation roadway of Chambers St., curb to rail, from Greenwich to West Sts. and Canal St., between tracks, from Bowery to Centre St. and from Centre St. to Bway.

N. Y., New York—Until Nov. 4, by H. H. Curran, pres. Manhattan Boro., regulating and repaving with sheet asphalt on concrete foundation, roadway of 54th St. from 7th to 9th Aves. Noted Oct. 21.

Pa., Curwensville—Until Oct. 30, by G. W. Anderson, pres. Bd. Supervs. Pike Twp., building 3,000 ft. road from Bloom Farm to Ferguson Twp., 18 ft. wide, bituminous. About $18,000. J. A. Dale, Curwensville, engr.

Maryland—Until Nov. 9, by State Rds. Comn., 601 Garrett Bldg., Baltimore, grading and draining 2.25 mi. state highway from end of Contr. 520 toward New Windsor, Carroll Co., Contr. CI-27. J. N. Mackall, chn.; advertised in this issue.

S. C., Newberry—Until Nov. 8, by J. C. Samples, superv. Newberry Co., clearing and top soiling 4.231 mi. Piedmont Highway, Federal Aid Project 65. L. M. Weisiger, Laurens, engr.

La., Homer—Until Nov. 8, by Highway Dept., Bd. State Engrs., 332 Maison Blanche Annex, New Orleans, building 17.75 mi. Sect. A, Homer-Arcadia Highway, and 17.26 mi. Sect. B, Homer-Magnolia Highway. D. Buie, state highway engr.

Indiana—By Bd. Co. Comrs. building roads in following counties:

Nov. 3, Knox Co., Vincennes, 3,075 ft. C. J. Thompson Rd., Vincennes Twp., concrete; 11,668 ft. F. J. Kapps Rd., Vincennes Twp., concrete. J. S. Nicholson, aud.

Nov. 4, Porter Co., Valparaiso, 0.73 mi. C. W. Hall et al. Rd., Center Twp., gravel; 2.77 mi. R. M. Phillips Rd., Porter Twp., gravel. B. H. Kinne, aud.

Nov. 15, Lake Co., Crown Point, D. Brown et al. Rd., North Twp., gravel. G. M. Foland, aud.

Michigan—Until Nov. 5, by State Highway Comn. at dist office, 221 Pratt Bldg., Kalamazoo, placing beach gravel adjacent to Federal Aid Project 32, Allegan Co., involving 18,000 cu.yd. gravel stock piles.

Michigan—Until Nov. 9, by State Highway Comn. at office of Bd. Comrs. Muskegon Co., Muskegon, grading and drain... 7.936 mi. Federal Aid Project 43, Sect... Muskegon Co., involving 41,830 cu.yd. ... excav., 1,101 lin.ft. pipe culverts, etc. No... Oct. 21.

Michigan—Until Nov. 9, by State Highway Dept., at dist office, Haskins Blk., Cadillac, grading, draining and surfacing 3.4... mi. State Trunk Line Rd. 13-9, Sect. ... Wexford Co., involving 33,306 cu.yd. ear... excav., 32,597 sq.yd. base course grave... slag gravel or stone gravel surface.

Minn., Duluth—Until Jan. 2, by St... Louis Co., widening, improving and build... ing concrete culverts on 31 mi. Mesaba... Trunk Rd. between Iron Junction and Proctor; widening, improving and graveling 3... mi. Meadowlands Trunk Rd. between Hibbing and Meadowlands. About $150,000... and $125,000 respectively. R. W. Acton... co. engr.

Montana—Until Nov. 5, by State Highway Comn., Helena, building 5 mi. Federal Aid Project 88, Sanders Co., involving 38,128 cu.yd. excav., 30,305 sta. yd. overhaul 2,049 cu.yd. gravel surfacing, 33 cu.yd Class "B" concrete in headwalls, 801 lin.ft 12-24 in. pipe culvert, 26 cu.yd. Class "A" and 48 cu.yd. Class "B" concrete in bridges, 29,575 ft. lumber in guard rail, 14,516 ft. lumber in bridges, etc. About $30,000. J. N. Edy, state highway engr.

Mo., St. Louis—Until Nov. 16, by city, improving 3,000 ft. Natural Bridge Rd. from Union Blvd. to Clara Ave., 25 ft. wide, involving 8,335 sq.yd. vitr. brick and 3,000 lin.ft. granite curbing. About $62,200. W. W. Horner, city engr.

Tex., Bay City—Until Nov. 13, by J. F. Perry, judge Matagorda Co., surfacing and draining 7.31 mi. Highway 12-A, Federal Aid Project 135, involving 74.16 cu.yd. 1:2:4 concrete, 13,720 cu.yd. shell, 5,750 lb. reinforcing steel and 33,169 cu.yd. earth borrow. About $53,735. J. C. Carrington, Bay City, co. engr. Noted June 10

Tex., San Marcos—Until Nov. 8, by J. R. Wilhelm, judge Hays Co., grading, surfacing and draining 13.35 mi. Fredericksburg Rd., involving 24.4 acres grubbing, 344 cu. yd. rubble masonry, 10,800 lb. reinforcing steel, 21,955 cu.yd. earth, 422 cu.yd. solid rock and 1,348 cu.yd. loose rock excav., 166.5 cu.yd. 1:2:3½, 69.8 cu.yd. 1:2:4 and 70.6 cu.yd. 1:2½:5 concrete, etc. About $40,445. J. W. Puckett, Buda, co. engr.

Tex., San Marcos—Until Nov. 8, by J. W. Wilhelm, judge Hays Co. grading, surfacing and building concrete culverts on 3.7 mi. Highway 20-A, involving 11 acres clearing and grubbing, 23 cu.yd. concrete, 414 lb. reinforcing steel, 6,188 cu.yd. crushed rock at quarry, 9,191 cu.yd. borrow, 6,348 cu.yd. earth and 501 cu.yd. rock excav., etc. About $24,000. J. W. Puckett, Buda, co. engr.

Tex., Waxahachie—Until Nov. 8, by F. L. Wilson, judge Ellis Co., gravel surfacing 23 mi. Rd. Dist. 3, involving 43,000 cu.yd. gravel; grading, gravel surfacing and draining 8.5 mi. Ennis-Waxahachie Rd. and 7 mi. K. Fearls Rd., involving 45,000 cu.yd. grading, 700 cu.yd. concrete in culverts, 36,000 cu.yd. gravel, etc. G. G. Edwards, Ennis Natl. Bank Bldg., Ennis, engr.

Arizona—Until Nov. 11, by T. Maddock, state highway engr., at office of Bd. Superv. Apache Co. (St. John), building Sect. A, Holbrook-St. Johns Highway, Federal Aid Project 6, near Hunt, 20 ft. wide, Apache Co., involving 1800 cu.yd. earth excav., 9,700 cu.yd. borrow, 170 cu.yd. concrete and 5,600 cu.yd. gravel surfacing, etc.

Ariz., Tucson—Until Nov. 3, by Pima Co. Highway Comn., New City Hall, building 8 mi. Aravaca Rd. beginning on Tucson-Nogales Highway, 2 mi. south of Continental and extending west toward Aravaca, involving 32,000 cu.yd. grading, 361 cu.yd. concrete, 11,700 cu.yd. surfacing and other incidental work. R. E. Fishburn, chn.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★Massachusetts—State Dept. Pub. Wks., Div. Highways, Boston, let contracts paving 5,000 ft. state highway, Oxford, bituminous macadam, to Hassam Paving Co., 17 Federal St., Worcester, $41,000; 700 ft. state road, Shrewsbury, bituminous macadam, to A. Palladino, 51 Circuit Ave., Newton Highlands, $9,414. Noted Oct. 21.

★Mass., Boston—City let contract grading and paving sidewalks in Irving West Adams Park (Roslindale), to A. G. Tomasello, 69 Gibson St., Dorchester, $17,210;

Streets and Roads (Continued)

building brick walks and oak seats in Parkman memorial bandstand, on Common, to J. C. Coleman & Sons Co., 1620 Tremont St., Roxbury, $25,000.

★**Mass., West Roxbury** (Boston P. O.)—Dept. Pub. Wks., City Hall Annex, Boston, let contract paving Castleton, Halifax and Zamora Sts., sheet asphalt, to J. Kelly Co., 5 Ulmer St., Roxbury, $23,316.

★**Connecticut** — State Highway Dept., Hartford, let contract graveling 2,950 ft. Mill Plain Rd., Danbury, to L. Loughi & Bros., 43 Center St., Torrington, $17,904. Noted Oct. 14.

N. Y., S. I., St. George—C. D. Van Name, pres. Richmond Boro., receved bids Oct. 20, repaving Richmond Turnpike from Louis St. to Clove Lake, from C. Vanderbilt, $109,000; W. P. McDonald, Port Richmond, $115,138; Awixa Corp., $117,334. Noted Oct. 14.

★**N. J., Livingston**—Essex Co. (Newark) let contract grading, curbing and excavating Laurel Ave., to Nesto Contg. Co., 64 State St., Newark, $17,750.

★**N. J., New Brunswick**—Middlesex Co. let contract paving .5 mi. Lincoln Blvd., 22 ft. wide, to M. I. Demarest, Sewaren, $31,253.

★**N. J., Phillipsburg**—Phillipsburg Transit Co. let contract laying 3,960 ft. brick on concrete bed, 21 in. each side of rails, to Korp & Korp, Phillipsburg. About $20,000.

★**W. Va., Moundsville**—Comrs. Marshall Co. let contract grading and draining Round Bottom Rd., Clay Dist., to J. W. Travis and A. R. Acker, Moundsville; building 25 ft. arch, to Luten Bridge Co., Clarksburg. About $25,000.

★**North Carolina**—State Highway Comn., div. office, Greensboro, let contract improving 9.64 mi., Federal Aid Project 101B, 18 ft. wide, Randolph Co., and 21.82 mi. road betweeen Pittsboro and Chatham-Randolph Co. line, 18 ft. wide, Chatham Co., to J. T. Plott, Greensboro, $62,560 and $125,370, respectively; 5 mi. road from Sparta to Glade Creek, Federal Aid Project 125A, 12 ft. wide, Alleghany Co., to W. E. Graham, Mt. Ulla, $139,510; 11.93 mi. road from Virginia State line to Yanceyville, Federal Aid Project 112, 18 ft. wide, Caswell Co., to J. M. Gregory & Co., Laurens, S. C., $63,300. Noted Oct. 21.

North Carolina—State Highway Comn., at dir. office, Kinston, received bids Oct. 20, improving (1) 11 mi. road between Duplin-Pender Co. line, via Burgard to New Hanover line, Federal Aid Project 81, 18 ft. wide, Pender Co., involving (a) 31 acres clearing and grubbing, 112,200 cu.yd. common excav. and borrow, 576 ft. 15 and 24 in. terra cotta pipe, 68,800 cu.yd. topsoiling, etc., (b) 1,908 cu.yd. Class A concrete, 160,790 lb. reinforcing steel, 1,400 lin.ft. expansion plates and bolts, 2,250 ft. untreated timber piles, etc.; (2) 12.03 mi. road from Broad River Bridge via Reelsboro to Bayboro, Federal Aid Project 90, 30 ft. wide, Pamlico Co., (a) 21 acres clearing and grubbing, 55,730 cu.yd. excav. and borrow, etc., (b) 991 cu.yd. Class A concrete, 84,440 lb. reinforcing steel, 1,100 lb. expansion plates and bolts, 2,790 ft. untreated timber piling, etc.; (3) 9.57 mi. road between Ayden and Greenville, via Winterville, Federal Aid Project 65, 30 ft. wide, Pitt Co., (a) 11 acres clearing and grubbing, 56,885 cu.yd. excav. and borrow, 43,500 cu.yd. sta. overhaul, (b) 844 cu.yd. Class A concrete, 63,570 lb. reinforcing steel, 500 lb. expansion plates and bolts, 1,410 ft. untreated timber piling, etc., from Porter & Boyd, Realty Bldg., Charlotte, (1a and b), $249,024 (2a and b), $116,922; Eagle Eng. Co., New Bern, (2b) $57,697; Hudwell & Hodges, New Bern, (2a) $58,177; Porter & Peck, Greenville, (3a), $49,897.

★**N. C., Asheville**—City let contract improving main streets, involving 7,500 cu.yd. excav. and grading, 24,600 sq.yd. sheet asphalt, 5,500 lin.ft. combination concrete curb and gutter, 2,500 sq.yd. sidewalk, etc., to R. G. Lassiter, Oxford. About $124,600.

★**S. C., Charleston**—Comrs. Charleston Co. will build 7 mi. Mary and Johns Island Rd., concrete. About $400,000. Work will be done by day labor. J. W. Martin, Charleston, engr.

★**S. C., Darlington**—Comrs. Darlington Co. let contract topsoiling 20 mi. road from Darlington to Chesterfield Co. line, sand clay, to J. T. Plott, Greensboro, N. C. About $140,000. Noted Sept. 30.

SEWAGE TREATMENT PLANT—CHICAGO, ILL.

Bids were received by Sanitary District of Chicago, 910 South Michigan Ave., Oct. 7th for constructing Calumet Sewage Treatment Plant, from (A) T. J. Forschner Contg. Co., 125th St. and Michigan Ave., (awarded contract); (B) Ready & Callahan Coal Co., 133 West Washington Ave.; (C) Marquette Constr. Co., 111 West Washington St. The unit bids were as follows:

	A	B	C
150,000 cu.yd. earth excavation	$6.90	$8.00	$9.25
5 cu.yd. rock excavation	5.00	5.00	5.00
7,500 sq.yd. macadam pavement	7.00	6.00	5.00
750 sq.yd. stone walks	3.40	3.50	2.50
18 inlet basins	80.00	135.00	125.00
1,250 cu.yd. concrete, Class "A"	59.00	73.00	79.00
28,000 cu.yd. concrete, Class "B"	64.00	72.00	75.00
250 cu.yd. concrete, class "C"	25.00	32.00	54.00
3,000,000 lb. reinforcing steel	.23	.22	.15
350,000 lb. reinforcing mesh	.25	.27	.25
40,000 lb. miscellaneous steel	.15	.30	.32
40,000 lb. iron castings	.30	.28	.20
850 lin.ft. 6-in. cast-iron water pipes	7.00	5.50	5.50
165,000 lb. cast-iron pipe	.20	.20	.20
150 lin.ft. 8-in. tile pipe	1.50	1.00	1.00
800 lin.ft. 12-in. tile pipe	3.00	2.00	1.50
150 lin.ft. 24-in. tile pipe	6.50	5.00	4.00
3,000 lin.ft. 4-in. tile underdrain	1.00	2.00	.90
100 cu.yd. brick masonry	60.00	55.00	65.00
3,000 cu.yd. sand fill	7.00	9.00	9.00
40,000 lb. galvanizing	.20	.20	.15
Venturi meters (lump sum)	79,892.00	65,000.00	55,000.00
Sedimentation tank equipment (lump sum)	493,290.00	410,000.00	475,000.00
Sludge bed equipment (lump sum)	79,874.00	70,000.00	60,000.00
Aëration tank equipment (lump sum)	59,910.00	55,000.00	60,000.00
Aëration settling tank equipment (lump sum)	49,928.00	35,000.00	40,000.00
Sprinkling filter (lump sum)	133,784.00	130,000.00	98,000.00
Dosing tank and sec. settling tank equipment (lump sum)	44,946.00	35,000.00	45,000.00
Air piping (lump sum)	33,957.00	31,000.00	30,000.00
Supply, effluent, sludge and drain piping (lump sum)	28,964.00	20,500.00	26,000.00
Industrial railway (lump sum)	55,917.00	57,000.00	40,000.00
10M. feet b.m. sheeting	50.00	50.00	50.00
Extended totals	$4,900,527	$5,138,705	$5,211,025

SEWAGE CONDUITS—CHICAGO, ILL.

Bids were received by Sanitary District of Chicago, 910 South Michigan Ave., Oct. 7th, for installing sewage conduits in connection with the Calumet Sewage Disposal Plant, from (A) Amer. Sewer & Drain Constr. Co., 2816 North Washtenaw Ave., (awarded contract); (B) Nash Bros., 10 South La Salle St.; (C) T. J. Forschner Contg. Co., 125th St. and Michigan Ave. The unit bids were as follows:

	A	B	C
1,600 lin.ft. 3-barreled conduit—low level	$242.50	$257.00	$265.00
720 lin.ft. 3-barreled conduit—high level	174.50	188.50	210.00
120 lin.ft. 9-foot conduit	103.00	126.00	118.50
Connection at Calumet pumping station (lump sum)	11,424.25	15,120.00	15,500.00
Junction chamber at Cal. Treat. Wks. (lump sum)	3,772.50	4,250.00	11,000.00
125 lin.ft. standard manholes	15.00	18.00	16.50
250,000 lb. reinforcing steel	.11	.18	.22
6,000 lb. castings and miscellaneous metals	.14	.20	.20
100 M. ft. b.m. timbering	129.00	135.00	137.50
50 cu.yd. additional excavation, open cut	10.00	14.00	10.50
10 cu.yd. additional excavation, tunnel	21.00	16.00	22.50
100 cu.yd. additional concrete, class B, open cut	20.00	24.00	27.50
10 cu.yd. additional concrete, class B, tunnel	28.00	31.00	33.75
10 cu.yd. additional concrete, class C, open cut	21.00	26.00	23.75
10 cu.yd. additional concrete, class C, tunnel	24.00	27.50	32.75
10 cu.yd. brick work	57.50	50.00	65.00
Extended totals	$588,227	$666,845	$692,985

★**Ohio**—State Highway Comn., Columbus, let contract grading, building bridges and culverts and paving roads in following counties:

Athens Co., Sect. "R" Logan-Athens Rd., 0.637 mi., brick on rolled foundation, to F. Beckler, Athens, $41,093.

Clermont Co., Sect. "N-2" Milford-Hillsboro Rd., 3.548 mi., waterbound macadam, W. Hogan, Milford, O., $100,100.

Sect. "A" Milford-Vera Cruz Rd., 2.433 mi., waterbound macadam, C. L. Wright, Cincinnati, $69,552.

Hancock Co., Sect. "D" Lima-Sandusky Rd., 6.047 mi., rein.-con., Dorsey Constr. Co., Findlay, $258,763.

Hocking Co., Sect. "P-1" Logan-New Lexington Rd., 5.351 mi., bituminous macadam, J. Petrie, Logan, $214,276.

Sect. "N" Logan-Chillicothe Rd., 6.53 mi., waterbound gravel, Curry & Hayes, Eaton, $151,797.

Lorain Co., Sect. "O" Medina-Norwalk Rd., 2.5 mi., waterbound macadam, Aldrich, Ellison & Betts, Spencer, $63,264.

Mercer Co., Sect. "K-1" Celina-Greenville Rd., 1.5 mi., rein.-con., M. L. Hinton Co., Celina, $65,035.

Pike Co., Sect. "A" Waverly-Coopersville Rd., 6.1403 mi., waterbound gravel, W. D. Winchell Co., 337 Siebert St., Columbus, $40,349.

Sect. "B" Waverly-Coopersville Rd., 6.734 mi., waterbound gravel, C. A. Arthur, Jackson, $34,707.

Summit Co., Sect. "A" Akron-Youngstown Rd., 2.49 mi., bituminous concrete, Highway Constr. Co., 903 Lorain Co., Bank Bldg., Elyria, $122,696.

Sect. "Q" Akron-Medina Rd., 2.27 mi., rein.-con., W. A. Lyon, Ravenna, $129,167.

Williams Co., Sect. "D" Bryan-Wauseon Rd., 1.582 mi., bituminous macadam, J. A. Elder, Bryan, $67,017.

Meigs Co., Sect. "L" Pomeroy-Athens Rd., 2.839 mi., grading, constructing bridges and culverts, Stone & Constr. Co., Maumee, $42,703.

Sect. "M" Pomeroy-Athens Rd., 4.007 mi., grading roadway and constructing bridges and culverts, J. P. Long, Centerburg, $79,166.

Lake Co., Sect. "A" Painesville-Ravenna Rd., 4.735 mi., grading, constructing bridges and culverts, Wilms-Hogan Constr. Co., Cleveland, $29,491.

Defiance Co., Sect. "E" Bryan-Ft. Wayne Rd. 1.77 mi., constructing bituminous macadam top course and shaping berms and ditches, D. M. Roach, Defiance, $21,686.

Jefferson Co., Sect. "J" Ohio River Rd., 0.085 mi., removing rock cliff and sealing clay seam, H. Brown & Allen, Ellsworth Station, O., $11,265. Noted. Oct. 14.

★**O., Cleveland**—City let contract surfacing East 118th St., involving 2,090 sq.yd. asphalt, to Cleveland Trinidad Paving Co., The Arcade, $15,928.

★**O., Westerville**—Franklin Co., Columbus, let contracts grading, draining and paving with brick, 2,087 ft. Sect. 1 State St., 30 ft. wide, also 1,038 ft. Sect. 2 State St., 30 ft. wide, to W. E. Schwartz, Sunbury Pike, Columbus, $58,943 and $31,525 respectively. Noted Oct. 21.

★**O., Youngstown**—Mahoning Co. let contract repaving, 1,200 ft. Mahoning Ave.

Streets and Roads (Continued)

bridge, 60 ft. wide, creosote wood block, to Capitol Constr. Co., Dollar Bank Bldg., $73,890.

★**Ind., Terre Haute**—City let contracts improving 1,400 ft. North 25th St., 20 ft. wide, and 1 mi. North 19th St., to Foulkes Contg. Co., 705 Ohio St., $14,000 and $69,000 respectively. Noted Aug. 19.

★**Mich., Lake City**—Bd. Rd. Comrs. Missaukee Co. let contract grading, draining and surfacing 5.406 mi. State Trunk Line Rd. 55-2, Sect. E, 16 ft. wide, to C. L. Simon and P. J. Theisen, Big Rapids, $48,958. Noted Oct. 7.

★**Wisconsin** — State Highway Comn., Madison, let contract graveling 2.71 mi. Madison-Sauk City Rd. (Springfield Hill), Federal Aid Project 12, Dane Co., to G. E. Fitton & Son, 838 East Johnson St., Madison, $18,738. Work involves 4,931 cu.yd. gravel surfacing, at $3.80 per cu.yd. Noted Oct. 7.

★**Wisconsin**—State Highway Comn., Madison, let contract improving Alma-Mondovi Rd., Federal Aid Project 135, Buffalo Co., to Ofstie & Mulheron, Spring Valley, $46,092.

★**Ia, Sioux City**—City let contract paving 6,600 sq.yd. Leech St., to Dayton Constr. Co., Kansas City, Mo. About $30,000.

★**Minn., Shakopee**—Scott Co. let contract building 7 mi. Federal Aid Project 93, State Rd. 9, involving 6 acres clearing, 4 acres grubbing, 181,000 cu.yd. excav., 418,000 cu.yd. overhaul, 11,500 cu.yd. gravel surfacing, etc., to J. Cox, 567 Gilfillian Bldg., St. Paul, $102,448.

★**N. D., Carrington**—Comrs. Foster Co. let contract grading 5 mi. Federal Aid Project 102, 24 ft. wide to Stanley Bros., Grand Forks, $16,845.

★**N. D., Stanley**—Comrs. Mountrail Co. let contract building 12 mi. Federal Aid Project 75, to Stanley Bros., Grand Forks. Work involves 119,246 cu.yd. excav., at $.60 per cu.yd., 9,335 cu.yd. overhaul, $.10, etc., total cost, about $90,000

Missouri—State Highway Dept., Fayette, received no bids Oct. 13, building 1 mi. Natl. Old Trails Rd., 24 ft. wide, Federal Aid Project 95, Howard Co. About $14,459. Noted Sept. 30.

★**Missouri**—State Highway Dept., Jefferson City, let contract building 1.1 mi. road from Novinger, westward, 24 ft. wide, State Aid Project S 20.6, Adair Co., to W. Stoecker, City Hall Bldg., Webster Groves, $16,735. Noted Oct. 21.

Missouri—State Highway Dept., Keytesville, received bids Oct. 13, building (1) 1.6 mi. Sect. 2 state road from Chariton River southeastward, State Aid Project S 20.8, Chariton Co., involving (a) 4,806 cu.yd. earth excav., (b) 11,624 cu.yd. borrow, (c) 2.2 cu.yd. Class "C" concrete masonry, etc. (2) 1.13 mi. Sect. 1 state road from Mussel Fork Creek westward, State Aid Project S 20.8, Chariton Co., (a) 896 cu.yd. earth excav., (b) 37,101 cu.yd. borrow, etc., from C. Parker, Keytesville, (1a) $0.60 per cu yd., (1b) $0.50, (1c) $30, (2a) $0.60, (2b) $0.50, total cost $8,948, (2) $9,982; W. E. Gaugh and H. Washam, Moberly, (1a) $0.65, (1b) $0.55, (1c) $30, (2a) $0.65, (2b) $0.55, total cost (1) $9,766, (2) $21,981; T. Maloney, St. Louis, (1a) $0.60, (1b) $0.60, (1c) $25, (2a) $0.60, (2b) 0.60, total cost (1) $10,100, (2) $24,594. Noted Sept. 30.

★**Missouri**—State Highway Dept., St. Joseph, let contract grading and building culverts on 20.02 mi. St. Joseph-Atchison Rd., Buchanan Co., to M. Costello, South 22nd St., St. Joseph, $156,774. Former contracts cancelled.

★**Tex., Ft. Worth**—Tarrant Co. let contract grading and surfacing 2.27 mi Ft. Worth-Webb Rd., involving 28,000 sq.yd. asphaltic concrete, to Womack Constr. Co., Ft. Worth, $31,472.

★**Tex., Jourdanton**—Atascosa Co. let contract grading, surfacing and draining 13.47 mi. Highway 9 from Pleasanton to Bexar Co., 16 ft. wide, to W. T. Montgomery, Alamo, Bank Bldg., San Antonio, $187,639; including 10% for engineering and contingencies, also freight charges on gravel.

Work involves 26.8 acres clearing and grubbing, 55,183 cu.yd. earth borrow excav., 31,610 cu.yd. gravel, 523.2 cu.yd. Class "A" and 93.8 cu.yd. Class "B" concrete. Noted Aug. 19.

★**Tex., Marlin**—Falls Co. let contract grading, surfacing and draining 6.78 mi. Highway 2 through Precinct 1, 17 ft. wide, to Phipps & Whatley, Marlin, $97,151; including 10% for engineering and contingencies. Noted Oct. 14.

★**Tex., Paris**—Lamar Co. let contracts for (1) improving 27.7 mi. Highway 5 from Fannin Co. to Red River, involving 7.82 acres clearing and grubbing, 3,250 cu.yd. ditching and 173,177 cu.yd. borrow, (2) 22.16 mi. Highway 19 from Delta Co. to Oklahoma state line, 29.6 acres clearing and grubbing, 1,850 cu.yd. ditching, 165,066 cu.yd. borrow excav., etc., to Smith Bros. and Healey Constr. Co., c/o Smith Bros., Crockett, (1) $61,144, (2) $68,718, both including 10% for engineering and contingencies. Noted Oct. 7.

Tex., Rockport—Aransas Co. received bids Oct. 8, improving 9.51 mi. Rockport-Aransas Rd., 16 ft. wide, (a) 9.515 mi. reshaping shoulders, surfacing, hauling and placing 23,168 cu.yd. mud shell, (b) furnishing mud shell, from Heldemfels Bros., Rockport, (b) 16,086; Aransas Shell Constr. Co., Aransas Pass, (a) $49,380; Miller Constr. Co., Port Lavaca, (a) $51,500. Noted Sept. 30.

★**Tex., San Antonio**—Bexar Co. let contract surfacing 6.2 mi. Highway 9, Pleasanton Rd., 1 in. rock asphalt treatment, to Chapin-Coglazier Constr. Co., Moore Bldg., $43,542; including 10% for engineering and contingencies. Noted Oct 21.

★**Tex., San Antonio**—City let contracts grading, curbing and paving .52 mi. New Braunfels Ave., from Commerce to Dilworth Aves., and .37 mi. Jones Ave., from Kendall to Layer Sts., to Uvalde Rock Asphalt Co., San Antonio, $40,165 and $34,934, respectively; .86 mi. Ruiz St., from Laredo to Trinity Sts., .44 mi. McCullough Ave. from Cypress to Dewey Sts. and .54 mi. Brooklyn Ave., from Oakland to Cypress Sts., to Southwest Bitulithic Co., Gunter Bldg., $83,529, $43,568 and $40,177, respectively. Noted Sept. 23.

Tex., San Antonio—City received bids Sept. 27, grading, curbing, paving, etc., .41 mi. Cypress St., from Brooklyn to McCullough Aves., and Dallas St., from Romana St. to Brooklyn Ave., from Uvalde Rock Asphalt Co., San Antonio, $33,431; Southwest Bitulithic Co., Gunter Bldg., $36,188. Work involves 6,800 sq.yd. bituminous or rock asphalt and 4,050 lin.ft. concrete curbing. Noted Sept. 23.

New Mexico—State Highway Dept., Capitol Bldg., Santa Fe, let contract to Lee Moor Contg. Co., 302 Two Republics Bldg., El Paso, Tex., building 5.871 mi. road between Bernalillo and south line of Sandoval Co., Federal Aid Project 36, Sandoval Co., $39,862, 8 mi. road between Lordsburg and Steins, Federal Aid Project 44, Hidalgo Co., $44,509; to French & Harvey, Santa Fe, building 5.599 mi. road between east end of Project 19 and Dona Co. line, Federal Aid Project 45, Luna Co., $39,701, 11.572 mi. road between Valmont and Escondido, Federal Aid Project 49, Otero Co., $42,952. Noted Sept. 30.

★**Washington** — State Highway Comn., Olympia, let contract grading and graveling 1.61 mi. Inland Empire Highway from Richland to Kennewick, Benton Co., to Root & Joslin, Spokane, $29,517. Noted Sept. 23.

★**Wash., Seattle**—A. H. Dimock, engr., 424 35th St., let contract grading Bothell Way, et al., involving 7.5 acres clearing and grubbing, and 20,000 cu.yd. excav., to G. Rerick, Lyon Bldg., $24,370. Noted Oct. 21.

★**Cal., San Diego**—Bd. Supervs. San Diego Co. let contract grading 3-B Julian Rd., to Hard Bros., Ripon, $62,523.

Railways

PROPOSED WORK

Pennsylvania — Altoona Logan Valley Electric Ry. Co., 11th St. and 12th Ave., Altoona, plans to build 3 mi. new line from Plank Rd., Logan Twp., to Harrison Ave., East End, Altoona. About $40,000. F. Tingley, Altoona, engr.

Excavation and Dredging

PROPOSED WORK

Miss., Lexington — Drainage — Holmes-Yazoo-Humphreys D. D. retained Morgan Eng. Co., engrs., Goodwyn Institute, Memphis, Tenn., to make surveys for drainage and flood protection system for 120,000 acres, in Holmes, Yazoo and Humphreys Counties.

Ark., Eudora—Drainage—Comrs. Gr... Lake D. D., Chicot Co. rejected bids S... 27, building drainage system. R. H. Me... secy. Noted Sept. 7.

Cal., Colusa—Canal System—Glenn-C... sa Irrigation Dist. voted $2,587,000 bo... to purchase, improve and extend ca... system of Sacramento Valley West S... Canal Co.

BIDS DESIRED

Ill., Illiopolis—Drainage—Until Nov. ... by Drainage Comrs. D. D. 1, of Illiopo... and Lanesville Towns, Sangamon Co., f... trenching, laying 7,840 ft. 39-42-in. se... ment block pipe drain, 3,080 ft. 36 in. sewer pipe drain, 5,678 ft. 24-30 in. drain tile, etc. J. W. Dappert, engr.

Industrial Works

PROPOSED WORK

Mass., Boston—Amer. Can. Co., 120 Bway, New York City, plans to build brick and steel factory, rein.-con. flooring, concrete foundation. About $250,000. Private plans.

Conn., Jewett City—Fisk Rubber Co., Chicopee Falls, plans to build concrete, brick and steel factory, rein.-con. flooring, concrete foundation here. G. B. Allen, 52 Vanderbilt Ave., New York City, engr.

N. Y., Maybrook—Central New England R.R. plans to enlarge engine house and improve track facilities at freight yards. About $300,000. Private plans.

Pa., Phila.—Keystone Table Top Co., c/o L. B. Rothchild, archt. and engr., 1225 Sansom St., plans to build 2 story, 35 x 140 ft. brick factory, on Callowhill and 3d Sts.

Pa., Phila.—Philadelphia Dyeing & Finishing Co., Frankford and Van Dike Sts., having preliminary plans prepared by M. W. Easby, archt., Crozer Bldg., for concrete, brick and steel factory, on Torresdale St. About $50,000.

Pa., Pittsburgh — Pittsburgh Malleable Iron Co., 57th St. and Allegheny River, plans to construct 202 x 322 ft. foundry building. About $500,000. F. Chase, 645 North Michigan Ave., Chicago, archt.

Pa., Williamsport—W. R. Hoehn Silk Co., 331 Pine St., plans to build a 2 story, 45 x 135 ft. brick mill, on Laurel St. along old canal. About $100,000. Contract for excavation let to W. E. Springman, Williamsport, $25,000.

Md., Baltimore—Horn Ice Cream Co., 44 Aisquith St., plans to build concrete and steel plant, rein.-con. flooring, concrete foundation, on Low and Aisquith Sts. About $300,000. Architect not selected.

Md., Baltimore—S. W. Snitzer, 3454 Reisterston Rd., soon lets contract building a 3 story, 60 x 90 ft. garage at 1419-23 Maryland Ave. About $50,000.

La., New Orleans—Amer. Can Co., 120 Bway., New York City, plans to build rein.-con. and steel factory, rein.-con. flooring, concrete foundation. About $250,000. Private plans.

Ky., Harrodsburg—See "Waterworks."

O., Cleveland—J. Babin, 827 Superior Ave., having plans prepared by N. Petti, archt., Williamson Bldg., for 2 story, 60 x 100 ft., rein.-con., brick and steel garage and commercial building, rein.-con. flooring, brick and concrete foundation, on Superior Ave. and East 105th St. About $100,000.

O., Cleveland—Berg-Clark Electric Co., 10207 Euclid Ave., plans to build 2 story brick and steel factory and warehouse, brick foundation, on St. Clair Ave. and East 14th St. About $50,000. Private plans.

O., Cleveland — Folding Box Co., 1900 West 3rd St., had plans prepared by H. M. Morse, archt. and engr., Citizens Bldg., for 1 story, 100 x 400 ft., brick and steel factory, brick foundation. About $150,000. F. B. Stevens, pres.

O., Cleveland—Orban & Hunt, c/o Geo. Orban, 9512 Cedar Ave., plan to build 2 story, 60 x 80 ft. brick and steel factory and warehouse, brick foundation. About $60,000. Carter-Richards-Griffith Co., Illuminating Bldg., archts. and engrs.

O., East Cleveland (Cleveland P. O.— City election Nov. 2 to vote on $90,000 bonds to build 1 story light plant, brick and steel, brick foundation. Private plans.

Industrial Works (Continued)

Ind., Ft. Wayne—Craig Biscuit Co., 115-121 Montgomery St., plans to build bakery, on West Main St. along bank St. Mary's River. About $150,000. Architect not selected.

Ind., Scottsburg—Interstate Pub. Serv. Co., 510 Bd. Trade, Indianapolis, having sketches made for shops and carbarns here. About $300,000. Private plans.

Mich., Kalamazoo — Kalamazoo Loose Leaf Binder Co., 314 West Kalamazoo St., opens bids about Nov. 10, building 4 story, 100 x 140 ft. addition to factory. N. H. Stuart, purch. agt.

Wis., Fond du Lac—Fond du Lac Paper Co., c/o M. Green, 298 Forest Ave., plans to build 1 and 2 story, 100 x 300 ft., brick, rein.-con. and steel factory, concrete foundation, along bank of Lake Winnebago. About $100,000. Architect not selected, probably local architect.

Wis., Fond du Lac—Klinzing Barn Equipment Co., c/o J. F. Greenback, 52 South Main St., plans to build 4 story, 60 x 150 ft., brick, rein.-con. and steel factory, brick foundation. About $100,000. Architect not selected.

Wis., Jackson — Meehan Mfg. Co., 709 M. & M. Bldg., Milwaukee, having preliminary plans prepared by A. E. Mitterhausen, archt., 51st St., Milwaukee, for 1 story, 80 x 100 ft., brick, rein.-con. and steel plant, concrete foundation, on Main St., here. Cost between $50,000 and $100,000.

Wis., Milwaukee — J. and S. Polacheck, 250 West Water St., having plans prepared by Lesser & Schutte, archts. and engrs., Trust Co. Bldg., for 5 story, 20 x 130 ft. mercantile and manufacturing building, rein.-con. and brick, rein.-con. flooring, concrete and pile foundation, on West Water St. About $60,000.

Wis., Schleisingerville—Storck Ice Cream Mfg. Co. plans to remodel and enlarge present unit, also build 3 story, 60 x 85 ft. addition, brick, rein.-con. and steel, brick foundation, on Main St. Architect not selected.

Wis., Schleisingerville—Judell & Bogner, archts., 445 Milwaukee St., Milwaukee, opens bids about Oct. 30, building 1 story, 60 x 150 ft., brick, rein.-con. and steel factory, brick foundation, on Main St., for Zwebell Bros. Co. About $100,000.

Wis., Sheboygan—United Fruit Package Mfg. Co., 701 North 8th St., plans to build 2 story, 60 x 150 ft., brick, rein.-con. and steel factory, brick foundation, near here. About $50,000. Architect not selected.

Wis., Tomahawk—Tomahawk Pulp & Paper Co. preparing plans for 50 x 354 ft. main building, 37 x 136 ft. engine room, 47 x 98 ft. boiler room and 50 x 231 ft. machine room. V. E. Labbe, secy. Private plans.

Wis., Two Rivers—Wisconsin Pail & Basket Co. plans to build 2 story, 150 x 185 ft. factory, brick, rein.-con. and steel, brick foundation, on Main St. About $200,000. Architect not selected.

Wis., West Bend—West Bend Aluminum Co. having plans prepared by Federal Eng. Co., engrs., Stephenson Bldg., Milwaukee, for 2 story boiler and power house, brick, rein.-con. and steel, brick foundation, on Main St. About $75,000.

Minn., Mankato—Carney Cement Co., West Mankato, having plans prepared by R. K. Meade, engr., 11 East Fayette St., Baltimore, Md., for cement plant, concrete, brick and steel, to include mill building, machine shop, blacksmith shop, chemists building, sack warehouse, garage concrete coal hoppers and 16 steel kilns, 60 ft. high, 18 ft. diameter. About $150,000.

Minn., Ottertail — Ottertail Creamery Assn. receives bids in spring building 2 story, 54 x 62 ft. creamery, brick. About $50,000. M. Buetow and C. W. Kampfer, 106 West Central Ave., St. Paul, archts.

Mo., North Kansas City—Hooven & Allison Co. rejected bids received Oct. 4 building 1 story, 80 x 363 ft. factory, on Arnour Rd. and Forest St. Work will be readvertised next spring. C. B. Haven, Xenia, O., engr. Noted Sept. 16.

Tex., Austin—Home Ice & Cold Storage Co., 3d St., plans to improve plant, construct new buildings, install machinery, etc. About $200,000. A. M. Fitzpatrick, pres.

Tex, Dallas—B. Ablon, Cadiz and Santa Fe Sts., had plans prepared and opens bids about Jan. 1 constructing ice and cold storage plant, to include one 4 story, 100 x 150 ft. concrete building and four 1 and 2 story, 40 x 100 ft. buildings. About $500,000.

Tex., Dallas—Gulf Refining Co., Hickory St. and Texas & New Orleans Ry., had plans prepared for 3 story distributing plant, concrete, to include machine shop, underground tanks, etc. About $100,000.

Tex., Dallas—Mack Mfg. Co. plans to build factory, brick. About $1,000,000.

Tex., Ft. Worth—T. Holiday, Longview, preparing plans for hardwood lumber mill, storage yards, etc., at 800 North Houston St., here. About $250,000. Private plans.

Que., Montreal—Canada Cement Co., Herald Bldg., Craig St. W., plans to build 10 story, concrete, brick, steel and stone factory, at Herald Sq. About $450,000. Ross & MacDonald, Belmont St., archts.

Que., Montreal—Mountain St. Garage Co., Ltd., soon receives bids building addition to garage. About $100,000.

Que., Montreal—Wisers Distillery, Ltd., soon receives bids building brick and steel plant, concrete foundation. About $100,000.

Que., St. Therese—Dominion Furniture Manufacturers, Ltd., plan to extend plant. About $125,000.

Que., Sherbrooke—Sherbrooke Record Co. soon receives bids building 3 story, 50 x 75 ft. brick and steel plant, concrete foundation.

Ont., London—Middlesex Milk Producers, R. R. 2, Wilton Grove, plan to build creamery here. J. C. Nichol, pres. About $250,000. Architect not selected.

Ont., Strathroy—Andrews Wire Co. plans to build addition to factory. About $60,000. Private plans.

Ont., Tillsonburg—Canadian Cereal Mills Co., Stratford, plans to rebuild flour mills here, which were recently destroyed by fire. About $500,000.

Alta., Edmonton—San Francisco & McMillan Oil Refining Co., Ltd., plans to build plant. About $500,000.

BIDS DESIRED

Me., Auburn—H. S. Coombs, archt., 11 Lisbon St., Lewiston, receiving bids building 1 story, 80 x 100 ft. concrete, brick and steel garage, rein.-con. flooring, concrete foundation, on Franklin St., for Darling Automobile Co., 15 Turner St. About $40,000.

N. Y., Long Island City—Until Nov. 1, by J. M. Baker, archt. and engr., 9 Jackson Ave., building 4 story, 90 x 100 ft., brick and steel factory, rein.-con. flooring, concrete foundation, on 1st Ave. near Freeman, for J. Weldon. About $125,000. Noted Aug. 26.

N. Y., Rochester—J. C. Ancona, archt., 305 Cutler Bldg., receiving bids building 1 story, 120 x 400 ft. brick and steel factory, for Rochester Castings Corp. Noted Sept. 30.

N. J., Metuchen—Until Dec. 1, by D. Wortman, archt. and engr., 116 Lexington Ave., New York City, building 1 and 2 story, rein.-con., brick and steel addition to factory, rein.-con. flooring, concrete foundation, here, for General Ceramics Co., 50 Church St., New York City. About $400,000.

Wis., Fond du Lac — Sheboygan Dairy Products Co., South Water St., Sheboygan, and B. E. Mehner, archt., 6 East Division St., receiving bids building 2 story, 60 x 113 ft., brick, rein.-con. and steel factory, rein.-con. flooring, concrete foundation, on West Division St. About $100,000. Noted Oct. 21.

Wis., Racine—New York Market Co., 2907 Washington Blvd., receiving bids building 2 story, 94 x 112 ft. sausage factory, brick and concrete, concrete foundation. Packers Eng. Co., 431 South Dearborn St., Chicago, engrs.

Wis., Sheboygan—South Side Garage Co., South 12th St. and Indiana Ave., receiving bids building brick, rein.-con. and steel garage, brick foundation on Indiana Ave. About $75,000. Private plans. Noted Sept. 9.

★Ill., Chicago—Marshall & Fox, archts., 721 North Michigan Ave., receiving bids building 3 story, 296 x 310 ft. power plant, brick, rein.-con., steel and stone concrete foundation, on 100th St. and Commonwealth Ave., for Commercial Edison Co., 72 West Adams St. Cost, $5,000, including equipment. Sargent & Laundry, 72 West Adams St., electrical engrs.

Ill., Chicago—Berlin Swern & Randall, archts., 19 South La Salle St., receiving bids building 3 story, 100 x 160 ft. printing plant, rein.-con. and brick, rein.-con. flooring, concrete foundation, on East Huron St. and Fairbanks Ct., for Stearns Bros. & Co., 619 South La Salle St. About $200,000.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★Mass., Danvers—Commonwealth of Massachusetts, 36 State House, Boston, let contract building 1 story, 57 x 137 ft., concrete, brick and steel power plant, rein.-con. flooring, concrete foundation, at State Hospital here, to E. H. Porter Co., 13 Wallis St., Peabody. About $250,000. Noted July 22.

★Mass., Lynn—Gen. Electric Co., 84 State St., let contract building 1 story, 160 x 300 ft. addition to plant, concrete, brick and steel, rein.-con. flooring, concrete foundation, to J. T. Wilson & Son, Nahant. About $150,000. Noted Oct. 14.

★Mass., Somerville (Boston P. O.)—Amer. Tube Wks., 440 Somerville Ave., let contract building 1½ story addition to mill, concrete, brick and steel, rein.-con. flooring, concrete foundation, to Whidden-Beekman Co., 100 Boylston St., Boston. About $75,000.

★Mass., West Medford (Boston P. O.)—Amer. Woolen Co., 245 State St., Boston, let contract building rein.-con. and brick factory, rein.-con. flooring, concrete foundation, on Boston Ave., to Turner Constr. Co., 178 Tremont St., Boston. About $250,000.

★Mass., Wrentham—Commonwealth of Masschusetts, State Schoolhouse Dept., Boston, let contract building 1 story, 50 x 70 ft. cold storage plant, concrete, brick and steel, rein.-con flooring, concrete foundation, at state school, here, to J. A. Munroe, Washington St., North Attleboro. About $50,000. Noted Sept. 30.

Conn., Hartford—Bd. Contract & Supply received bids building 2 story, 50 x 125 ft. concrete, brick and steel machine shop, rein.-con flooring, concrete foundation, on John St., from T. F. Garrity, 847 Main St., $71,229; A. Purves, 15 Wells St., $72,268; Johnson-Wester Co., 159 Washington St., $72,600. Noted Oct. 7.

★Conn., Meriden—I. Moskowitz, 3 Perkins St., let contract building 3 story, brick and steel warehouse, concrete foundation, to L. Suzio Constr. Co., State and Brook Sts. About $65,000. Noted June 24.

★Conn., New Haven—Connecticut Adamant Plaster Co., River St., let contract building 2 story, 120 x 160 ft., concrete and steel plant, to Sperry Engr. Co., 82 Church St. About $150,000. Noted Oct. 7.

★N. Y., Brooklyn — J. E. Berwind, 1 Bway., New York City, let contract building 2 story printing plant, concrete, brick and steel, rein.-con. flooring concrete foundation on Sands St., here, to J. W. Bishop Co., 109 Foster St., Worcester, Mass. About $50,000.

★N. Y., Brooklyn — Colonial Mantle & Refrigerating Co., 494 Dumont Ave., will build 1 story, 40 x 100 ft. addition to factory, brick and steel, rein.-con. flooring, concrete foundation. About $40,000. Work will be done by day labor.

★N. Y., Brooklyn—Martha Garage Corp., 1687 President St., will build 1 story, 105 x 130 ft., brick and steel garage, rein.-con. flooring, concrete foundation, on Dean St. About $50,000. Work will be done by day labor.

★N. Y., Brooklyn—Shapiro & Aronson, c/o H. J. Nurick, archt. and engr., 772 Bway., New York City, will build 1 story, 100 x 200 ft., brick and steel factory and warehouse, on Glenmore Ave. About $50,000. Work will be done by day labor. Noted Sept. 2.

★N. Y., Buffalo—Angola Tire & Rubber Co., 270 North Division St., let contract building 2 story, 50 x 96 x 126 ft., brick addition to factory, to J. A. Zoll, 398 Bird Ave. About $55,000.

★N. Y., Buffalo — Natl. Lamp Wks. of Genl. Electric Co., 1495 Fillmore Ave., let contract building 2 story, 82 x 322 ft. concrete, brick and steel factory, at 757 East Ferry St., to Huntley & Derdenger, Electric Bldg. About $120,000.

★N. Y., Buffalo—Standard Oil Co. of New York, Elk and Gorham Sts., let contract building 4 story, 105 x 115 ft. addition to factory, concrete and brick, to J. W. Cowper Co., Fidelity Bldg. About $1[illegible],000.

Industrial Works (Continued)

★**N. Y., Glendale** (Brooklyn P. O.)—Rubel Bros., Inc., Glenmore Ave., Brooklyn, will build 2 story, 35 x 125 ft. addition to plant, rein.-con., brick and steel, rein.-con. flooring, concrete foundation. About $50,000. Work will be done by day labor.

N. Y., New York—G. A. Whalen, comr. Plant & Structures, Municipal Bldg., received bids Oct. 21, constructing housing station, on Henry, Madison and Birmingham Sts., for Dept. Street Cleaning, from Wolfman & Greenbaum, 1643 Pacific St., Brooklyn, $112,000; G. Cole Co., $126,999; M. F. Kelly, 33 Old Bway., $128,600. Noted Oct. 14.

★**N. Y., New York**—Dollar Contg. Co., 25 West 140th St., will build 1 story, 50 x 150 ft., brick and steel garage, rein.-con. flooring, concrete foundation, on 150th St. About $50,000. Work will be done by day labor.

★**N. J., Maurer**—Barber Asphalt Paving Co., 233 Bway., New York City, let contract building 2 story, concrete and brick plant, here, to Levering & Garrigues, 552 West 23rd St., New York City. Noted Oct. 21.

★**Pa., Chester**—Crystal Ice & Storage Co. let contract constructing 1 story, 40 x 80 ft., 60 ft. high, concrete and steel storage building, to W. G. Koelle & Co., 26th and Oxford Sts., Phila. About $50,000.

★**Pa., Hatboro**—Roberts & Mandor Stove Co., 11th and Washington Sts., Phila., let contract building 1 story, 60 x 100 ft. addition to foundry, brick and steel, here, to Austin Co., Bulletin Bldg., Phila.

★**Pa., Phila.**—Baeder & Adamson Co., Richmond and Allegheny Sts., will alter and build addition to 1 story, 50 x 120 ft. and 75 x 95 ft. glue factory, brick and steel. About $56,000. Work will be done by day labor.

★**Pa., Pittsburgh**—Pittsburgh Gage & Supply Co., 30th and Liberty Sts., let contract constructing 1½ story, 140 x 140 ft. storage building, brick and steel, brick and concrete foundation, to Austin Co., Union Arcade. Cost between $175,000 and $200,000.

★**D. C., Wash.**—Amer. Ice Co., c/o Knickerbocker Ice Co., 1480 Bway., New York City, let contract building 85 x 113 ft. brick and steel warehouse, 70 ft. high, to W. P. Libscombe Co., Dist. Natl. Bank Bldg. About $150,000.

★**N. C., Greensboro**—Armour Fertilizer Co. let contract building 1 story, 80 x 180 ft. concrete, brick and steel fertilizer plant and storage building, to Austin Co., Bulletin Bldg., Phila. About $150,000.

★**La., Shreveport**—United States Window Glass Co., Morgantown, W. Va., will build brick, concrete and steel factory, here. About $500,000. Work will be done by day labor.

★**O., Cleveland**—Cyclone Fence Co., East 55th St., let contract building 1 story, 60 x 80 ft., brick and steel addition to factory, brick foundation, to H. K. Ferguson Co., 6523 Euclid Ave. About $40,000.

★**O., Dayton**—Computing Scale Co., Huffman Ave., let contract building 5 story, rein.-con. and brick factory, rein.-con. flooring, on East Huffman Ave., to F. H. Smith, Reibold Bldg. About $150,000.

★**O., Warren**—Metallic Bedstead Co. let contract building 1 story, 90 x 440 ft., rein.-con., brick and steel warehouse, rein.-con. flooring, brick and concrete foundation, to Boldt Constr. Co., 6110 Euclid Ave., Cleveland. About $150,000.

★**Ill., Chicago**—R. C. Ostergren, archt., 155 North Clark St., let contract to C. B. Johnson & Son, 111 West Washington St., building 1 story, 150 x 270 ft., rein.-con. and brick factory, rein.-con. flooring, concrete foundation, on Washtenaw and Belmont Aves., for Alemite Die Casting & Mfg. Co., 341 West Chicago Ave. About $150,000. Noted March 18.

★**Ill., Chicago**—Illinois Glass Co., 402 West Randolph St., let contract building 1 and 2 story, 215 x 270 ft., brick and mill construction factory, concrete foundation, at 2601 North Crawford Ave., to Dahl-Stedman Co., 11 South La Salle St. Noted Dec. 26.

★**Ill., Decatur**—L. P. Holladay Co. let contract building 1 story, 80 x 400 ft., concrete and steel plant, to L. S. Baker & Bros., Decatur. About $75,000.

LOCKS—CHICAGO, ILL.

Bids were received by Dept. of Pub. Wks. & Bldgs., 37 East Jackson Blvd., Oct. 18, for constructing Marseilles Lock in Illinois River, from (A) Green & Sons Co., McCormick Bldg.; (B) Bates & Rogers, 37 West Van Buren St.; (C) Oscar Daniels Co., 38 South Dearborn St. The unit bids were as follows:

		A	B	C
Clearing (lump sum)		$10,000.00	$7,650.00	$12,000.00
Cofferdam, etc. (lump sum)		50,000.00	62,000.00	12,000.00
263,000 cu.yd.	excavation	2.00	2.00	2.00
10,000 sq.ft.	channeling	1.00	1.00	0.50
2,400 sq.yd.	embankment	3.50	1.20	1.50
1,400 sq.yd.	stone paving	3.50	3.25	3.50
50 m. ft.	pine and fir timber	100.00	135.00	80.00
23 m. ft.	white oak timber	250.00	185.00	400.00
126,000 lbs.	structural steel	0.20	0.18	0.14
51,000 lbs.	steel castings	0.40	0.28	0.30
14,600 lbs.	grey iron castings	0.30	0.27	0.13
500 cu.yd.	No. 1 concrete	12.50	18.75	12.50
62,600 cu.yd.	No. 2 concrete	10.80	13.60	13.00
500 cu.yd.	No. 3 concrete	10.30	13.25	16.00
89,000 lbs.	metal reinforcement	0.12	0.09	0.07
1,000 bbls.	Portland cement	2.75	3.25	2.50
500 ft.	wood fence	1.00	1.00	0.70
2,500 ft.	wire fence	1.00	1.35	0.60
1,900 ft.	6 in. vitrified pipe	1.00	1.00	0.70
900 lbs.	pipe railing	0.50	0.80	0.70
1,000 ft.	3 in. fibre conduit	1.00	0.40	0.45
1 ft.	vaine plate	500.00	300.00	400.00
2 acres	seeding	250.00	90.00	100.00
Extended totals		$1,373,115	$1,547,152	$1,610,588

★**Ill., Mt. Vernon**—Davidson Flour Co., St. Louis, Mo., let contract constructing 4 story, 80 x 150 ft., rein.-con. and brick plant, rein.-con. flooring, concrete foundation, here, to T. Stark & Co., 1103 1st Ave. W., Cedar Rapids, Ia. About $150,000.

★**Wis., Camp Douglas**—H. C. Hengals, state military archt., 425 East Walter St., Milwaukee, let contract to Immel Constr. Co., North Main St., Fond du Lac, building 1 story, 44 x 208 ft., brick and concrete, warehouse, concrete flooring and foundation, for Wisconsin Natl. Guard. Cost $49,527. Noted Sept. 30.

★**Wis., Fond du Lac**—Wisconsin Milk Co. will build 2 story, 60 x 113 ft. dairy plant, rein.-con. About $60,000. Work will be done by day labor.

★**Wis., Kauwauna**—Moloch Co. let contract constructing foundry and machine shop, each 1 story, 80 x 200 ft., concrete, to Hansen Co., 113 West Walnut St., Green Bay. About $100,000.

★**Wis., Kenosha**—Wisconsin Oxygen & Hydrogen Co., c/o White, White, White & Co., archts. and engrs., Kenosha, will build 1 story, 45 x 167 ft., brick and mill construction factory, concrete foundation. Work will be done by day labor.

★**Wis., Plymouth**—Plymouth Fdry & Machine Co. let general contract building 1 story, 150 x 162 ft., brick, rein.-con. and steel foundry and machine shop, rein.-con. flooring, concrete foundation, on Stafford St., to W. Runge, Main St. About $100,000.

★**Wis., Shawano**—Shawano Motor Car Co. let general contract building 2 story, 72 x 150 ft., brick, rein.-con. and steel garage, rein.-con. flooring, concrete foundation, on Main St., to F. Schoenrock & Sons, Main St., New London. About $100,000.

★**Wis., Sheboygan**—Vollrath Co., 13th St. and Michigan Ave., let contract building 1 story, 180 x 200 ft., brick, rein.-con. and steel shop, rein.-con. flooring, brick foundation, on Michigan Ave., to D. P. Robinson Co., 61 Bway, New York City. About $100,000.

★**Mo., St. Louis**—St. Louis Screw Co., Clarence and Bulwer Sts., will build 1 story, 160 x 160 ft., brick and steel factory, at 6912 North Bway. Work will be done by day labor.

★**Ont., Elmira**—Elmira Creamery Co. let contract building 2 story, 80 x 92 ft. concrete addition to creamery, to C. Wilken, Elmira. About $100,000.

Buildings

PROPOSED WORK

Me., Portland—Parish House—Methodist Church plans to build 2 story, brick and steel, on Chestnut St. About $75,000. A. C. Goddard, pastor. Architect not selected.

N. H., Manchester—Auditorium—A. K. Johnson, 1387 Beacon St., Brookline, plans to build 1 story, 80 x 100 ft. concrete, brick and steel, concrete foundation, on Hanover St., here. About $100,000. J. D. Leland, 185 Devonshire St., Boston, archt.

N. H., Manchester—School—Bd. Educ. plans to build 2 story, brick, on Michigan Ave., Youngsville Dist. C. R. Whitcher, 814 Elm St., archt.

Mass., Dedham—Club—Dedham Country and Polo Club rejected bids building 3 story, 40 x 95 ft., brick and frame on Westfield St. About $100,000. Project postponed until spring. G. Lowell, 12 West St., Boston, archt. Noted Sept. 16.

Mass., Holyoke—Clubhouse—Y. M. H. A. plans to build brick and steel. About $100,000. B. S. Evarts, pres. Architect not selected.

Mass., Huntington—Store and Hotel—Diamond & Regas, Main St., plans to build 3 story, brick and steel. Architect not selected.

Mass., Hyde Park (Boston P. O.)—Municipal—Pub. Bldgs. Dept., Boston, having plans prepared by Desmond & Lord, archts., 15 Beacon St., Boston, for 3 story, 75 x 165 ft., concrete, brick and steel, rein.-con. flooring, concrete foundation, on Everett Sq. About $350,000.

Mass., Leominster—Theatre—Leominster Theatre, Inc., plans to build 1 story, 70 x 155 ft. brick and steel, on Maple St. About $125,000. Funk & Wilcox, 1148 Old South Bldg., Boston, archts.

Conn., Hartford—Athenaeum—Wadsworth Athenaeum, 624 Main St., plans to build addition. About $300,000. Architect not selected.

Conn., Hartford—Auditorium—Bushnell Memorial Assn., 108 Gillett St., plans to build 1 and 2 story, brick, steel, concrete and stone, on Trinity St. and Capitol Ave. About $500,000. Architect not announced.

Conn., Hartford—Office—Amer. Sumatra Tobacco Co., Burnside Ave., plans to build 6 story, concrete, brick and steel, on Commerce, Grove and Mechanic Sts. About $500,000. Architect not selected.

Conn., Hartford—Office—Orient Insurance Co., 20 Trinity St., plans to build 6 story, brick, steel and concrete, on Clinton St. About $300,000. Architect not selected.

Conn., New Haven—Hotel—J. D. Kauffman Co., 42 Church St., plans to build 7 story, brick and concrete. About $300,000. J. Weinstein, 6 Church St., archt.

Conn., Storrs (Eagleville P. O.)—Dormitory—Connecticut Agricultural College had plans prepared and soon receives bids building 3 story, 53 x 110 x 186 ft., brick, concrete and steel, rein.-con. flooring, concrete foundation, on campus. About $335,000. D. K. Perry, 27 West Main St., New Britain, archts. Noted Sept. 30.

N. Y., Buffalo—Institution—Canisius College, Main and Jefferson Sts., receives bids latter part of December, building first unit of addition to institution. About $1,000,000. M. J. Ahern, pres. Noted June 3.

N. Y., New York—Hospital and Nurses Home—French Hospital, 450 West 34th St., plans to build 7 story, 100 x 100 ft., brick.

Buildings (Continued)

steel and stone addition, brick foundation, at 441 West 33d St. C. H. Gilbert, 1 Madison Ave., archt. and engr.

N. Y., New York—Office—B. S. Johnson, c/o Maynicke & Franke, archts. and engrs., 25 East 26th St., having plans prepared for additional story to brick and stone, on 21st St. and Bway. About $80,000.

N. Y., New York—Office and Store—J. M. Gidding & Co., 5th Ave. and 46th St., plans to build 12 story, brick, steel and stone, concrete foundation, on 5th Ave. between 56th and 57th Sts. Severence & Van Allen, 111 East 40th St., archts. and engrs.

N. Y., New York—Theatre—T. W. Lamb, archt., 644 8th Ave., soon lets contract altering brick and stone, at 22 West 63d St., for F. H. Whitney, 501 5th Ave. About $75,000.

N. Y., Poughkeepsie — Store — Luckey Platt & Co., 332 Main St., receives bids in spring building 6 story, 50 x 150 ft., concrete and brick. E. C. Smith, 39 Market St., archt.

N. Y., Yonkers—High School—Bd. Educ., High School Bldg., plans to build brick and stone, brick foundation. About $300,000. J. H. Claxton, secy. Architect not selected.

N. J., Camden—Y. M. C. A., 566 Federal St., plans to build new home. About $135,000. W. W. Frey, pres. Architect not selected.

N. J., Gibbstown — School — Bd. Educ. plans to build brick and steel. About $125,000. H. A. Hill, Broad St. Bank, Trenton, archt.

N. J., Millville—School—Bd. Educ. plans to build 2 story, 20 room, school and auditorium. A. H. Moses, 8 Springfield Ave., Merchantville, archt.

N. J., Shiloh—School—Bd. Educ. plans to build school. About $80,000. H. A. Hill, Broad St. Bank, Trenton, archt.

Pa., Chambersburg—School—School Bd. rejected bids Oct. 21, building 1 story, 10 room, brick, concrete foundation Plans will be revised and work readvertised. H. G. Kilmer, 402 Trust Bldg., archt. Noted Oct. 7.

Pa., Harrisburg — Hotel — Penn Harris Hotel, 3d and Walnut Sts., plans to build 12 story, 50 x 200 ft. addition, brick, steel and stone, concrete foundation. W. L. Stoddart, 9 East 40th St., New York City, archt and engr.

Pa., Lock Haven — Temple — Masonic Temple Assn., c/o Stearns & Woodnut, archts., St. Girard Bldg., Phila., having plans prepared for 4 story, 60 x 130 ft., brick and stone. Cost to exceed $100,000.

Pa., Unionville—School—Consolidated Bd. Educ., East and West Marlboro, Newlin and Pocopsin, having preliminary plans prepared by Ritter & Shay, archts. and engrs., North Amer. Bldg., Phila., for 2 story vocational school, brick. Cost to exceed $100,000.

Pa., Williamsport—Hotel—F. E. Plankenhorn, 4th St. and Government Pl., plans to alter and build addition (increasing space from 32 to 100 rooms), to Sterling Hotel. About $100,000.

Md., Baltimore—Hospital—Church Home and Infirmary, Bway. and Fairmont Ave., plans to build 6 story addition, concrete and brick, concrete foundation. About $600,000. Wyatt & Nolting, 1012 Keyser Bldg., archts.

Md., Hamilton (Baltimore P. O.)—Church — Protestant-Episcopal Church of Messiah having plans prepared by Mottu & White, archts., 324 North Charles St., Baltimore, for 1 and 2 story, 52 x 122 ft. church, and 2 story, 48 x 114 ft. parish hall, concrete and brick, stone and concrete foundation, on Harford Rd. and White Ave. About $150,000. R. Wroth, 215 East Preston St., Baltimore, pastor.

D. C., Wash.—Schools—Dist. Comrs. had plans prepared by S. Ashford, archt., 1412 21st St., for two 2 story, 8 room brick and stone schools, one in Takoma Park, cost $200,000; other in Burrville, $190,000.

W. Va., Bluefield—College—Baptist Educational Comn., plans to construct 18 buildings on 60 acre site. About $750,000. Architect not selected.

N. C., Asheville — Hotel — E. W. Grove plans to build commercial hotel on Haywood St. About $500,000.

Ga., Newnan — **Hospital** — **Newman** Coweta County Hospital soon receives bids

HIGHWAY—OREGON

Bids were received by State Highway Comn., Portland, for constructing Oregon City-Multnomah Co. line section of Pacific Highway, Clackamas Co., from (A) Scandia Shipbuilding Co., Marshfield, (awarded contract); (B) Cummins & La Pointe, McMinnville; (C) United Contg. Co., North Western Bank Bldg., Portland. The unit bids were as follows:

	A	B	C
6,500 cu.yd. common excavation	$1 08	$1 20	$1 25
1,500 cu.yd. solid rock excavation	1 65	3 00	3 50
5,000 cu.yd. st. overhaul	06	10	05
60,500 sq.yd. type "A" pavement	3 03	3 17	3 35
18,000 lin.ft. expansion joints	17	16	10
157,000 lb. bar reinforcement in place	06	10	.10
8,000 sq.yd. placing concrete in two strips	30	20	.10
1,550 cu.yd. new broken stone, loose meas.	3 95	5 00	3 95
300 cu.yd. reclaimed rock and gravel	1 20	5 00	95
60,000 lin.ft. shoulder construction	08½	06	06
250 cu.yd. shoulder drains	4 56	6 00	4 35
Extended totals	$220,713	$239,115	$245,695

Bids were received by State Highway Dept., Portland, (lowest 3) for constructing Lowen-Crane section of Central Oregon Highway, Harney Co., from (A) Porter & Conley, Ry. Exch. Bldg., Portland, (awarded contract); (B) Security Constr. Co., La Grande; (C) Morrison-Knudsen Co., Boise, Idaho.

	A	B	C M
Clearing and grubbing (60 RW) (lump sum)	$3,200 00	$2,000 00	$1,000 00
79,000 cu.yd. common excavation	50	56	50
1,000 cu.yd. st. overhaul	15	05	10
1,300 lin.ft. 12-in. plain concrete pipe	1 50	1 50	..
140 lin.ft. 18-in. reinforced concrete pipe	3 20	2 60	..
124 lin.ft. 24-in. reinforced concrete pipe	4 25	3 75	..
1,300 lin.ft. 12-in. corrugated galvanized iron pipe	2 35	2 80	2 50
140 lin.ft. 18-in. corrugated galvanized iron pipe	3 70	4 23	3 50
124 lin.ft. 24-in. corrugated galvanized iron pipe	4 85	5 32	4 50
6 cu.yd. class "B" concrete	40 00	25 00	40 00
60 cu.yd. class "C" concrete	40 00	25 00	38 00
12 M.ft.b.m. lumber and timber in place	100 00	70 00	120 00
23,000 cu.yd. broken stone surfacing	4 25	4 28	5 25
Extended totals reinforced concrete pipe	$147,365	$149,999	..
Extended totals corrugated galvanized iron pipe	148,614	152,112	169,608

building rein.-con. and brick, rein.-con. flooring, concrete foundation. About $100,000. H. C. Arnall, pres.

Ala., Auburn—College—Alabama Polytechnic Institute plans to build 3 story agricultural college to replace one destroyed by fire. About $100,000.

O., Akron — Hospital — Bd. Hospital Trustees, Summit Co., purchased 83 acre site and plans to build hospital. About $1,000,000. E. C. Shaw, chn.

O., Akron—Theatre and Commercial—Swirsky & Miller, archts., Herberich Bldg., preparing plans for 5 story, on Buchtel and Main Sts. About $500,000. Owner's name withheld.

O., Armstrongs Mills—School—Bd. Educ., Washington Twp., having plans prepared by F. S. Rusk, archt., 16 South 3rd St., Columbus, for 2 story, 6 room, fireproof. About $80,000. M. Perkins, pres.

O., Bellaire—School—Bd. Educ., Key Ridge Dist., Meade Twp., having plans prepared by F. S. Rusk, archt., 16 South 3rd St., Columbus, for 2 story, 6 room, 62 x 100 ft., fireproof. About $100,000. W. G. Simpson, Farmers & Merchants Bank Bldg., pres.

O., Cleveland—Bank and Commercial—Cleveland Trust Co., c/o A. McCaslin, East 9th St. and Euclid Ave., plans to build 2 story, rein.-con., brick and steel, rein.-con. flooring, brick and concrete foundation, on Fulton Rd. and Poe Ave. About $100,000. Architect and engineer not selected.

O., Cleveland—Church—Euclid Ave. Baptist Church, Euclid Ave. and East 18th St., plans to build 1 story, rein.-con., brick and steel, rein.-con. flooring, brick and concrete foundation. About $300,000. Architect not selected.

O., Cleveland—Commercial—See "Industrial Works."

O., Cleveland—Commercial—Prane Realty Co., c/o J. H. Dickman, 214 Williamson Bldg., purchased site and plans to build brick and steel, brick foundation, at 742 Hamilton Ave. About $200,000. Architect not selected.

O., Cleveland — Commercial — Princeton Realty & Investment Co., c/o A. W. Henry, Cuyahoga Bldg., plans to build 3 story, rein.-con., brick and steel, rein.-con. flooring, concrete foundation, at 3640 Prospect Ave. About $150,000. Architect not selected.

O., Cleveland — Commercial — Western Realty Co., c/o H. D. Koblitz, The Arcade, purchased site and plans to build rein.-con., brick and steel, rein.-con. flooring, concrete and brick foundation, at 1102 Superior Ave. About $100,000. Architect not selected.

O., Cleveland—Commercial and Offices—M. Marmerstein, Williamson Bldg., having plans prepared by W. S. Ferguson, archt., 1900 Euclid Ave., for 6 story, 75 x 160 ft., rein.-con., brick and steel, rein.-con. flooring, brick and concrete foundation, at 3812 Euclid Ave. About $200,000.

O., Cleveland—Market and Commercial—Woodland Ave. Market Co., 5808 Woodland Ave., plans to build 1 and 2 story, 65 x 100 ft., rein.-con., brick and steel, rein.-con. flooring, brick and concrete foundation, at 7500 Woodland Ave. About $100,000. M. Auldschuld, 5116 Woodland Ave., archt.

O., Kent—High School—Bd. Educ. having plans prepared by Mills & Millspaugh, archts., 67 East Long St., Columbus, for 2 story, 160 x 200 ft., brick and concrete, to include chemical laboratory. About $275,000 H. W. Bowers, clk.

O., Smithville—School—Bd. Educ., Court House, Wooster, having plans prepared by O. D. Howard, archt., 8 East Broad St., Columbus, for 2 story, brick and concrete, here. About $75,000.

O., Syracuse—Church—Methodist Episcopal Congregation having plans prepared by R. Sims, archt., Grand Theatre Bldg., Columbus, for 52 x 75 ft. brick and stone. About $75,000. H. K. Sayre, pastor.

O., West Park—Schools—Bd. Educ. plans to build two 3 story grade schools, cost $1,000,000, also one 3 story high school, $1,000,000, rein.-con., brick and steel, rein.-con. flooring, brick and concrete foundation. F. W. Featherstone, clk. Architect not selected.

O., Willshire—School—Bd. Educ. having plans prepared by O. D. Howard, archt., 8 East Broad St., Columbus, for 2 story, brick and concrete. About $125,000. W. Schumm, clk.

O., Youngstown—Theatre—Miles Theatre Corp., East 9th and Prospect Sts., Cleveland, plans to build 3 story, 300 x 400 ft., on Federal St. About $1,500,000.

Ind., Decatur—Sales—F. Reppert having plans prepared by O. Hoffman, archt., Decatur, for 2 story, 100 x 150 ft., brick and stone. About $100,000.

Ind., Indianapolis — **Lodge** — **Prather** Lodge, F. & A. M., Northwestern State Bank Bldg., plans to build lodge on 42nd St. About $75,000. Architect not selected.

Ind., South Bend—Hotel—Tavern Hotel Co. having plans prepared by R. F. France, archt., 155 North Clark St., Chicago, for

Buildings (Continued)

10 story, 85 x 165 ft., rein.-con., concrete foundation. About $750,000. Noted June 10.

Mich., Detroit—Mercantile—Frank & Sedar, c/o Smith, Hinchman & Grylls, archts., 710 Washington Arcade, having revised plans prepared for 8 story, 60 x 100 ft, rein.-con., brick and steel, rein.-con. flooring, concrete foundation, on Woodward Ave. Noted Oct. 14.

Ill., Chicago—Post Office Terminal—Union Station Co. having preliminary plans prepared by Graham, Anderson, Probst & White, archts., Ry. Exch. Bldg., for 6 story, 80 x 800 ft., between Harrison and Van Buren Sts., west of river. About $5,000,000. Building will be leased to Federal Government.

Ill., Chicago—Temple and Community House—Isaiah Temple, 4714 Grand Blvd., plans to build temple and community house, on 51st St. and Greenwood Ave. About $500,000. Architect not selected.

Ill., Oak Park—Hospital—West Suburban Hospital, c/o Holmes & Flinn, archts., 8 South Dearborn St., had plans prepared for 6 story, 35 x 90 ft., rein.-con. and brick addition, rein.-con. flooring, concrete foundation. About $100,000.

Wis., De Pere — Church — Episcopal Church, c/o R. Weller, bishop, Fond du Lac, having preliminary plans prepared by R. A. Crain, archt., Boston, Mass., for 2 story, 60 x 150 ft., brick, rein.-con. and steel, concrete foundation on Main St., here. About $100,000.

Wis., Eagle River—School—School Dist. plans to build concrete and brick high school, concrete foundation. About $150,000. Architect and engineer not selected.

Wis., Kenosha—Theatre and Commercial—C. Mantkus, 216 Sheridan Rd., having preliminary plans prepared by C. Augustine, archt. and engr., Kenosha, for 2 story, 140 x 150 ft., concrete, brick and steel, concrete flooring and foundation. About $400,000.

Wis., Marshfield — Church — Methodist Church, 205 East 3rd St., having plans prepared by W. L. Alban, archt., Endicott Bldg., St. Paul, Minn., for 80 x 80 ft., brick and steel, concrete foundation. Cost between $75,000 and $100,000.

Wis., Mayville—High School—Free High School Dist. plans to build 60 x 280 ft., brick, rein.-con. and steel, concrete foundation. About $200,000. Architect not selected.

Wis., Milwaukee—Mercantile, etc.—See "Industrial Works."

Wis., Milwaukee—Recreation—Nazareth Lutheran Church, 851 25th St., having preliminary plans prepared by E. Weyland, archt. and engr., Caswell Blk., for 2 story, concrete and brick, rein.-con. flooring, concrete foundation, on 25th St. About $75,000.

Wis., Milwaukee — Theatre — Newman Theatre Co., 1118 Main St., Kansas City, Mo., plans to build addition to Butterfly Theatre, here, brick, rein.-con. and steel, concrete foundation. About $100,000. Architect not selected.

Wis., Milwaukee—Theatre—Saxe Amusement Co., 160 5th St., having plans prepared by M. Tullgren & Sons, archts., 425 East Water St., for 1 story, 75 x 150 ft. concrete and brick, rein.-con. flooring, concrete foundation, on 3d St. and North Ave. About $150,000.

Wis., Oconomowoc — Armory — Second Separate Rifle Co. having plans prepared by H. C. Hengels, state military archt. and engr., 425 East Water St., Milwaukee, for 1 and 2 story, 70 x 120 ft., brick, concrete and steel, concrete foundation. About $75,000.

Wis., Sheboygan — School — Evangelical Lutheran St. Paul Church, c/o W. Freitag, chn. building comn., 1528 Blocki Ct., plans to construct 2 story, 70 x 85 ft., rein.-con. and steel, brick foundation. About $100,000. Architect not selected.

Wis., Shorewood (Milwaukee P. O.)—Armory—Wisconsin Natl. Guard, c/o H. C. Hengels, archt. and engr., 425 East Water St., Milwaukee, having preliminary plans prepared for two 2 story, 40 x 75 ft. additions to armory, concrete and brick, concrete foundations. About $70,000.

Wis., Stevens Point—Office—Wisconsin Retail Hardware Dealers' Mutual Fire Insurance Co., Strongs Ave., having plans prepared by Childs & Smith, archts., 64 East Van Buren St., Chicago, 2 story, rein.-con. and brick. About $100,000.

Wis., Stevens Point—High School—Bd. Educ. plans to build 1st unit of high school. About 150,000. Architect and engineer not selected.

Minn., Aitkin—Court House—Aitkin Co. having plans prepared by Toltz, King & Day, archts., 1410 Pioneer Bldg., St. Paul, for rein.-con. and brick. About $400,000.

Minn., Minneapolis — Administration — State Bd. Control, St. Paul, receives bids about Nov. 5, building 4 story, rein.-con., brick and stone, here. About $500,000. C. L. Pillsbury Co., 805 Metropolitan Life Bldg., engrs. C. H. Johnston, 715 Capitol Bank Bldg., St. Paul, archt. Noted July 22.

Minn., Minneapolis—Home—James Ballantyne Post, Amer. Legion, c/o L. P. Burlinham, 219 South 4th St., plans to build home on Lake St. and Nicollet Ave. About $80,000. Architect not selected.

Minn., Minneapolis—Theatre—Kirchhoff & Rose, archts. and engrs., Majestic Bldg., Milwaukee, Wis., opens bids about Nov. 1, building 2 and 3 story, 115 x 180 ft. rein.-con., brick and steel, concrete foundation, on Hennepin Ave., here, for M. Beck, 1564 Bway., New York. About $500,000.

Minn., Renville—High School—B. R. Holmberg, clk. Bd. Educ., receives bids about Dec. 1, building 2 story, 90 x 240 ft. rein.-con., brick and steel, rein.-con. flooring, concrete foundation. About $300,000. Croft & Boerner, Lonsdale Bldg., Duluth Bldg., Duluth, archts. and engrs.

Kan., Ellsworth — Hospital — Ellsworth Hospital Co. plans to build 3 story, 38 x 94 ft. rein.-con., brick foundation C. W. Shaver, Salina, engr. and archt.

Kan., Oswego—High School—Bd. Educ. having plans prepared and soon receives bids building 2 story, brick, rein.-con. and stone, rein.-con. flooring. About $150,000. T. W. Williamson, 418 Central Natl. Bank Bldg., Topeka, archt.

Kan., Pittsburg—Memorial—City plans election in spring to vote on $250,000 bonds to construct memorial building.

Kan., Pratt—Temple—Mason Bldg. Assn. plans to build rein.-con., brick and steel, rein.-con. flooring. About $100,000. Architect to be selected soon.

Kan., Rosedale—Hospital—J. A. Kimball, Topeka, having plans prepared and soon receives bids building 3 story, 46 x 164 ft., terra cotta or stone and rein.-con., rein.-con. flooring here. About $200,000. R. L. Gamble, 1415 Fillmore St., Topeka, archt.

Kan., Stockton—Court House—Roks Co. plans election in November to vote on $250,000 bonds to build 3 story, 80 x 100 ft., concrete, brick and steel, rein.-con. flooring, stone foundation. F. C. Squires, 630 Kansas Ave., Topeka, archt.

Kan., White City — High School — Bd. Educ. having plans prepared by J. H. Felt, archt., Kansas City, Mo., for 2 story, concrete, brick and steel. Bonds for $75,000 voted for project. H. Randles, clk.

Kan., Wichita—Standing Grain Thresher Co., Union Nat. Bank Bldg., plans to build thresher factory. About $250,000. A. J. Windlate, Nickerson, pres. Engineer and architect not selected.

Neb., Gering—Schools—Bd. Educ. soon receives bids building two 2 story, rein.-con., brick and steel, rein.-con. flooring. Total cost, $120,000. Pederson & Baker, Gering, archts. Noted Aug. 26.

Neb., Nebraska City—Community Hall—City voted $100,000 bonds to build soldiers memorial. Noted Aug. 26.

S. D., Harrold—High School—City voted $75,000 bonds to build high school.

Mo., Kansas City—Temple—Congregation B'Nai Jedudah, Linwood and Flora Sts., soon lets contract building 2 story, 88 x 109 ft. rein.-con., brick and steel annex, brick and concrete foundation. About $150,000. Greenbaum, Hardy & Schumacher, Kansas City, archts.

Mo., St. Louis—Office—J. F. Queeny, pres. Monsanto Chemical Wks., plans to remodel Old Southern Hotel, 6 story, 150 x 300 ft., fireproof, on Bway. and Walnut St. About $500,000. Address C. B. Ricketts (owner's agent), Ry. Exch. Bldg. Architect not selected.

Ark., Little Rock—Bank—Union & Mercantile Trust Co., 201 West 2nd St., receives bids in winter, building 50 x 140 ft., stone and marble, on 4th and Main. About $300,000. Thompson & Harding, South Trust Bldg., and Mann & Stern, A. O. U. W. Bldg., archts.

Tex., Dallas—Office—T. J. Britton, Elm St., plans to build 10 or 12 story, x 160 ft., on Live Oak and Ervay Sts. About $500,000. Architect not selected.

Tex., Houston — Bank — Federal Reserve Bank, Commerce and Martin Sts., Dallas, opens bids about Jan. 1, building 4 story, 100 x 100 ft. branch, on Caroline and Texas Sts., here. About $500,000. W. F. Ramsey, Dallas, agt.

Tex., Ranger—High School—City voted $250,000 bonds to build new high school.

Tex., Wichita Falls—Hospital—City voted $75,000 bonds to build hospital.

Okla., Oklahoma City—Theatre—S. A. Lynch plans to build 2 story, 50 x 140 ft. concrete, brick and steel, rein.-con. flooring, on West Main St. About $100,000.

Okla., Okmulgee—Library—City soon receives bids building 1 story, 45 x 100 ft., rein.-con., brick, steel and stone, rein.-con. flooring. About $150,000. Address A. D. Kennedy, Okmulgee. Smith, Rea & Lovitt, 602 Finance Bldg., Kansas City, Mo., archts. Noted Oct. 7.

Col., Johnston—High School—Bd. Educ. had plans prepared by Montjoy, French & Frewen, archts., Chamber Commerce Bldg., Denver, building 2 story, 130 x 150 ft., concrete, brick and steel, rein.-con. flooring, concrete foundation. About $100,000.

Wash., Seattle—Auditorium—B. P. O. E. No. 92 plans to build 1 and 3 story, 111 x 180 ft., on 4th and Madison Sts. About $175,000. Architect not selected.

BIDS DESIRED

R. I., Providence—School—Until Nov. 1, by Pub. Bldg. Dept., constructing 3 story, 30 room, rein.-con., brick and steel, rein.-con. flooring, concrete foundation, on Jastram Ave. Private plans. Noted Oct. 14.

N. Y., Albany—Bank—Fuller & Robinson, archts., 95 State St., receiving bids altering 2 story, 68 x 78 ft., on Lark St. and Washington Ave., for Natl. Commercial Bank & Trust Co. About $200,000.

N. Y., Buffalo—Hotel—Until Nov. 22, by G. B. Post, archt. and engr., 101 Park Ave., New York City, building 17 story, 84 x 130 x 279 x 292 x 348 ft., brick, steel and limestone, concrete foundation, on Delaware Ave., Niagara Sq., Franklin and Mohawk Sts., for Hotel Statler Co., Washington St. About $5,500,000. Noted May 20.

Md., Baltimore—Office—Until Nov. 15, by C. N. Fritz, archt., 2010 Lexington Bldg., constructing 10 story, 90 x 140 ft., steel, brick and stone, concrete foundation, on Courtland and Franklin Sts., for Standard Oil Co., Pratt and South Sts. About $850,000. Noted Aug. 26.

O., Bedford—High School—Until Nov. 15, by Bd. Educ., building 2 story, 135 x 185 ft., rein.-con., brick and steel, rein.-con. flooring, brick and concrete foundation. About $250,000. H. P. Hamilton, 1127 Guardian Bldg., Cleveland, archt.

Ind., Indianapolis—Church—St. Joan of Arc Church receiving bids building 2 story, 60 x 108 ft., rein.-con., brick and steel, at 500 East 42nd St. About $100,000. D. A. Bohlen & Son, Majestic Bldg., archts.

Ind., Indianapolis—School—Bd. School Comrs. receiving bids building 2 story, 75 x 75 ft., rein.-con., brick, steel and terra cotta, rein.-con. flooring, on 30th St. About $100,000. M. Harrison, 500 Bd. Trade Bldg., archt. Snider & Rotz, 703 Merchants Bank Bldg., engr.

Mich., Detroit—Hospital—Until Nov. 1, by A. Kahn, archt., Marquette Bldg., constructing 6 story, 115 x 154 ft., rein.-con., brick and stone addition, rein.-con. flooring, concrete foundation, on John R. St., for Harper Hospital. About $350,000.

Mich., Detroit—School—Until Nov. 9, by Bd. Educ., 59 Bway., furnishing labor and material building 2 story, 40 x 150 ft., rein.-con., brick and steel addition, rein.-con. flooring, concrete foundation, on Longwood Ave. About $75,000. Malcolmson, Higginbotham & Palmer, 405 Moffat Bldg., archts. Noted Oct. 14.

Ia., Pocahontas—Court House—Until Nov. 12, by C. Gilchrist, aud. Pocahontas Co., building 2 story, 80 x 125 ft., rein.-con.,

Buildings (Continued)

brick and stone. About $400,000. Proudfoot, Bird & Rawson, 810 Hubbell Bldg., Des Moines, archts. Noted May 6.

Ia., Shelby—School—Until Nov. 16, by Bd. Educ., building 2 story, rein.-con. and brick. About $75,000. M. E. Clapp, pres. J. Latenser & Sons, 626 Peters Trust Bldg., Omaha, Neb., archts.

Minn., Duluth—Theatre—Until Jan. 2, by Clinton Investment Co., Lyceum Bldg., constructing 2 story, 50 x 140 ft., rein.-con., tile and brick, rein.-con. flooring, concrete foundation, on West Superior St. About $135,000. W. P. Allred, 205 Ferguson Bldg., archt.

Okla., Enid—Temple—Until Nov. 15, by R. W. Shaw, archt., Beck Bldg., constructing 4 story, 100 x 150 ft., rein.-con., brick, steel and stone and terra cotta, rein.-con. flooring, rock foundation, for Masonic Temple Assn. About $300,000.

Okla., Tulsa—School—Until Nov. 8, by Bd. Educ., building 4 story, concrete, brick and steel, rein.-con. flooring, rock foundation. About $800,000. G. Winkler, 414 Palace Pl., archt.

Man., Winnipeg—Home—Until Nov. 1, by Minister Pub. Wks., building 2 story, 163 x 171 x 255 ft. home for deaf and dumb, in Tuxedo Park, near here. About $600,000. T. D. Atchison & Co., 914 Boyd Bldg., archts.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**Me., Hinckley**—Administration—Prescott Memorial Assn. let contract building 1 story, brick and steel, concrete foundation, to H. Purinton Co., 40 Pleasant St., Waterville. About $125,000.

★**Mass., Blackstone** — Housing—Blackstone Mfg. Co. let contract building 3 story, brick and timber houses for workmen, concrete foundations, on County and Butler Sts., to J. C. N. Bouvier Co., 18 Sayles St., Woonsocket, R. I. About $100,000. Noted Oct. 14.

★**Mass., New Bedford** — Schools — Bd. Educ. let contracts building (1) P. S. 1 on Rochambeau St. (2) P. S. 2 on Mt. Pleasant St., each to be 2 story, concrete, brick and steel, rein.-con. flooring, concrete foundation, to J. W. Bishop Co., 109 Foster St., Worcester, (1) $730,000, (2) $717,000. Noted Oct. 21.

★**Mass., Norton** — Dormitory — Wheaton College let contract building 4 story, 45 x 121 ft. concrete, brick and steel, rein.-con. flooring, concrete foundation, on campus, to E. F. Miner Bldg. Co., 25 Foster St., Worcester. About $100,000.

★**R. I., Providence**—School—City let contract building 2 story, 74 x 190 ft. concrete, brick and steel, on Arthur Ave., to Hope Building Co., Weybosset St., $297,-900. Noted Apr. 1.

★**N. Y., Brooklyn**—Theatre—W. Small, 189 Montague St., will build brick and stone, brick foundation, on Grand Ave. extension. About $500,000. Work will be done by day labor. Noted June 10.

★**N. Y., Lawrence**—Bank—Bank of Lawrence let contract building 1½ story, 55 x 85 ft., brick, steel and stone, brick foundation, to Hoggson Bros., 485 5th Ave., New York City. About $150,000.

N. Y., New York—Office—W. H. Dudley & Co., 165 Duane St., let contract building 2 story, 35 x 110 ft., brick and stone, brick foundation, on Varick and Watts Sts., to J. Thatcher & Son, 60 Park Ave., Brooklyn. Noted Oct. 14.

★**N. Y., New York**—Store and Office—S. W. Peck, 1140 Bway., let contract altering 5 story, brick and stone, on West 34th St., to H. J. Pepper & Co., 1777 Bway. About $75,000.

★**N. Y., New York** — Theatres — Seneca Holding Corp., 485 5th Ave., will alter New York and Criterion Theatres, brick and steel, on Bway. between 44th and 45th Sts. About $500,000. Work will be done by day labor under supervision of R. B. Smith, engr., 452 5th Ave.

★**N. Y., Schenectady**—Theatre—F. F. Proctor, 1564 Bway., New York City, will build brick and steel, here. About $400,-000. Work will be done by day labor under supervision of J. M. Merron, archt. and engr., 1564 Bway., New York City. Noted Aug. 26.

★**Pa., Charleroi**—Bank—First Natl. Bank of Charleroi let contract building 4 story, 60 x 100 ft., brick and stone, brick foundation, to Kelly & Kelly, 12th St., Long Island City. Cost between $125,000 and $150,000. Noted July 22.

★**Pa., Cresson** — Housing—Pennsylvania Coal & Coke Co. let contract building forty 2 story, 20 x 30 ft., concrete and frame houses, to W. H. Fissel & Co., 1328 Bway., New York City. About $100,000.

★**Pa., State College**—Laboratory—Pennsylvania State College let contract building 2 story, 60 x 160 ft., brick and steel, to Austin Co., Bulletin Bldg., Phila. About $75,000.

Md., Baltimore—School—City received low bid building 3 story, 46 x 150 ft. concrete, brick and steel, concrete foundation, on Laurens and Calhoun Sts., from J. L. Robinson Constr. Co., 1130 West Lafayette Ave., $322,582.

★**W. Va., Hinton**—Bank and Office—Natl. Bank of Summers let contract building 2 story, brick and stone, to W. Egelhof, 101 Park Ave., New York City. About $100,000.

★**Ala., Birmingham** — Office — Jemison Real Estate Co. and Jemison Seibels Insurance Co., 211 North 20th St., let contract building 2 story, rein.-con. and Indiana limestone, on 3d Ave. and 21st St., to Smallman-Brice Constr. Co., 1811 3d Ave. About $100,000; cost plus percentage basis.

★**O., Canton**—Schools—Bd. Educ. let contracts building 3 story, 135 x 160 ft. on Belden Ave., and 3 story, 130 x 160 ft., on Grace Ave., rein.-con., brick and steel, rein.-con. flooring, brick and concrete foundations, to G. Whike & Son, Canton, $294,200 and $296,500 respectively.

★**O., Canton**—High School—City let contract building left wing and auditorium addition to Lehman High School, 2 story, 60 x 80 ft., rein.-con., brick and steel, to R. H. Evans, Schaffer Blk., $497,885.

★**O., Carey**—School—Bd. Educ. let general contract building 2 story, 97 x 100 ft., brick and concrete, to G. Kratz & Co., Lorain, $106,597; heating plant, to Amer. Warming & Ventilating Co., 1017 Summit St., Toledo, $10,980. Noted Oct. 21.

O., Cleveland—Bathhouse—City received bids Oct. 3, building 2 story, 50 x 96 ft., rein.-con., brick and steel, rein.-con. flooring, brick and concrete foundation, on West 14th St. and Starkweather Ave., from W. Moore Co., 1274 West 4th St., $133,000; Forschner Co., East 10th St. and St. Clair Ave., $139,000. Noted Sept. 30.

★**O., Cleveland**—Home—Hebrew Orthodox Home for Aged, c/o S. H. White, archt., Schofield Bldg., let contract building 2 story, 135 x 150 ft., rein.-con., brick and steel, rein.-con. flooring, brick and concrete foundation, at 736 Lakeview Rd., to Bolton-Pratt Co., Columbia Bldg. About $300,-000. Noted May 13.

Mich., Detroit—Schools—Bd. Educ., 59 Bway., received bids Oct. 22, building addition to (a) school on Abbott St., (b) Majeska School, on Trombley and St. Aubin Aves., (c) Marxhausen School, all 2 story, rein.-con., brick and steel, rein.-con. flooring, concrete foundations, from A. W. Kutche, 623 Ford Bldg., (a) $217,213, (c) $209,746; Bryant & Detwiler, 2336 Dime Bank Bldg., (a) $232,680; M. A. Mahoney, 400 Penobscot Bldg., (a) $233,606; Culbertson & Kelley, 809 Ford Bldg., (b) $195,680; Brayton Eng. Co., 907 Kresge Bldg., (b) $195,733, (c) $196,733; Corrick Bros., 507 Owen Bldg., (b) $202,700; F. N. Cooper, 400 Penobscot Bldg., (c) $190,000. Noted Oct. 14.

★**Ill., Chicago**—Home—St. Paul's Home for Aged, c/o Woltersdorf & Bernard, archts., 138 North La Salle St., let general contract building 3 story, 40 x 180 ft., concrete, brick and steel, rein.-con. flooring, concrete foundation, on Grace St. and California Ave., to R. C. Wieboldt, 1534 West Van Buren St. About $200,000.

★**Wis., Eau Claire**—Hotel—Eau Claire Hotel let contract building 8 story, 120 x 125 ft., brick, stone and steel, to B. H. Stahr Co. and Schneider Constr. Co., Eau Claire. About $500,000.

★**Ia., Sioux City**—Office—J. Mirkin, 4th and Lafayette Sts., let contract building 3 story, 80 x 144 ft., to B. E. Short, Sioux City. About $75,000.

Minn., Hackensack—School—Bd. Educ., c/o R. F. Ross, clk. School Dist., received bids building 2 story, 95 x 102 ft., rein-con., brick and tile, from Bracker Constr. Co., 638 Builders Exch., $65,708; Carlsted Bros., 542 Builders Exch., $68,497; Madsen & Peterson, 646 Builders Exch., $76,300. Noted Oct. 14.

★**Mo., Elvins**—School—Bd. Educ. let contract building 3 story, 45 x 150 ft., brick and steel, rein.-con. flooring, to McCarthy Constr. Co., Odd Fellows Bldg., St. Louis. About $96,000. Noted Sept. 16.

★**Okla., Shawnee** — Engine House — City let contract building rein.-con., brick, steel and stone, rein.-con. flooring, to A. P. Carr, Shawnee. About $100,000.

★**Man., Portage la Prairie**—Custodial—Minister Pub. Wks., Parliament Bldgs., Winnipeg, let contract building brick and steel, at School for Feeble Minded, here, to Wyatt-Ireland, Ltd., 505 Merchants Bank Bldg., Winnipeg, $109,474.

Federal Government Work

PROPOSED WORK

D. C, Wash.—Hangars, etc.—Treas. Dept. plans to build new hangars, etc., at Bowling Field to replace those damaged by fire. About $1,000,000. J. A. Wetmore, superv. archt.

Va., Hampton Roads — Latrines — Spec. 4261—Bureau Yards & Docks, Navy Dept., Wash., D. C., receiving bids building two 24 x 94 ft. timber latrines, concrete flooring and footing, in Units I and T, at Naval Operating Base, here; $10 deposit required for plans and spec.

Fla., Pensacola — Mooring Mast — Spec. 4314—Bureau Yards & Docks, Navy Dept., Wash., D. C., receiving bids building structural steel mooring mast, to have guyed mast, 41 ft. high, supporting structural steel crutch, 27 ft. across open end, concrete foundation, etc., at Naval Air Station here; $10 deposit required for plans and spec.

Wis., Waukesha—Hospital—L. McQuilken, supt. U. S. Health Serv. Hospital 37, here, soon receives bids constructing 2 and 3 story, concrete and brick buildings here, rein.-con. flooring, concrete foundations, to be used for nurses attendants and doctors quarters. About $300,000.

BIDS DESIRED

Mass., South Boston (Boston P. O.)—Steam Locomotive Crane — Spec. 4263 — Until Nov. 10 (change of date), by Bureau Yards & Docks, Navy Dept., Wash., D. C., installing at Naval Dry Dock, here. Noted Oct. 21.

N. Y., New York — Electric Traveling Bridge Crane—Spec. 4250—Until Nov. 10, by Bureau Yards & Docks, Navy Dept., Wash., D. C., building electric traveling bridge crane for bulkhead handling ways No. 1 and for steel storage.

N. Y., Oswego—Altering Post Office and Custom House—Until Nov. 19, by Treas. Dept., at office of J. A. Wetmore, superv. archt., Wash., D. C., altering, here; advertised in this issue. Noted July 1.

Pa., Phila.—Electric Lighting System—Until Nov. 9, by H. J. Lumsden, officer in charge of constr., Frankford Arsenal, installing in new power plant; advertised in this issue.

Pa., Phila.—Extension to Marine Hospital—Until Nov. 15, by Treas. Dept., Wash., D. C., building extension to U. S. Marnie Hospital, here. J. A. Wetmore, acting superv. archt.

D. C., Wash.—Centrifugal Pumps, etc.—Until Nov. 10, at U. S. Engineers Office, 305 Southern Bldg., furnishing and installing electrically driven centrifugal pumps, motor generator sets, transformers and switchboards; advertised in this issue.

W. Va., South Charleston — Distributing System—Spec. 4294—Until Nov. 3, by Bureau Yards & Docks, Navy Dept., Wash., D. C. installing, here.

Tenn., Athens—Post Office—Until Nov. 18, by Treas. Dept., Wash., D. C., furnishing labor and material building U. S. Post Office, here. J. A. Wetmore, acting superv. archt.

O., Portsmouth — Extension to Mailing Vestibule—Until Nov. 16, by Treas. Dept., Wash., D. C., building extension to mailing vestibule, driveway, etc., at U. S. Post Office, here. J. A. Wetmore, acting superv. archt.

Ind., Indianapolis—Mezzanine Floor—Until Nov. 10, by Treas. Dept., at office of J. A. Wetmore, superv. archt., Wash.,

Federal Government Work (Continued)

D. C., building in Post Office, here; advertised in this issue.

Ill., Bloomington — Loading Shed—Until Nov. 9, by Treas. Dept., Wash., D. C., building new loading shed at U. S. Post Office, here. J. A. Wetmore, acting superv. archt.

Wash., Puget Sound—Nurses Quarters—Spec. 4293—Until Nov. 17 (change of date), by Bureau Yards & Docks, Navy Dept., Wash., D. C., building, here.

Cal., Mare Island—Heating System—Spec. 4189—Until Nov. 3, by Bureau Yards & Docks, Navy Dept., Wash., D. C., installing in structural shop, here; $10 deposit required for plans and spec.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

R. I., Newport—Piers and Dredging—Spec. 4090—Bureau Yards & Docks, Navy Dept., Wash., D. C., received bids Oct. 20, dredging, building new pier, extending 2 piers, removing wharves and fender bulkheads, at Naval Torpedo Station, Goat Island, here, (1) work complete, from Booth & Chase & Co., 29 Bedford St., Fall River Mass., (1) $55,967, (150 days), (2) $0.80, (60 days), (3) $16,000, (60 days) (4) add $31 deduct $15, (5) add $0.50, deduct $0.25; Aberthaw Constr. Co., 27 School St., Boston, Mass., (1) $69,959, (210 days), (2) $0.85, (3) $15,311, (60 days), (4) $28, (5) $0.20; R. H. Beattie, 10 Purchase St., Fall River, Mass., (1) $74,540, (210 days), (2) $0.80, (3) $40,300, (120 days), (4) $27, (5) add $0.50, deduct $0.20. Noted Oct. 7.

N. Y., New York—Turret Foundation—Spec. 4295—Bureau Yards & Docks, Navy Dept., Wash., D. C., received bids Oct. 20, building at Navy Yard, here, (1) work complete, from Phoenix Constr. Co., 41 Park Row, (1) $17,897, (30 days), (2) $30; F. A. Foster Co., 43 South 17th St., Phila., (1) $18,990, (30 days), (2) add $50, deduct $10, (1) add $1.50, deduct $0.05; Hyde & Baxter, 1311 G St., N. W., Wash., D. C., (1) $23,872, (75 days), (2) add $35 deduct $20, (3) add $0.90, deduct, $0.08. Noted Oct. 14 under "Wash., D. C."

N. Y., L. I., Sayville—Radio Quarters—Spec. 4311—Bureau Yards & Docks, Navy Dept., Wash., D. C., received bids building, here, from F. G. Fearon Co., Inc., 280 Madison Ave., New York City, $39,860, (90 days); Post & McCord, 101 Park Ave., New York City, $52,200, (90 days); B. J. Hickey, 355 East 149th St., New York City $52,301, (90 days). Noted Oct. 14.

★Pa., Pittsburgh — Lavatory — Treas. Dept., Wash., D. C., let contract for plumbing work in lavatory of U. S. Post Office, here, to Weldon & Kelly, 427 4th Ave., $17,865. Noted Oct. 14.

★Del., Cape Henlopen—Double Barracks—Spec. 4265—Bureau Yards & Docks, Navy Dept., Wash., D. C., let contract building here, to W. A. Russell, Lewes, $18,190, (120 days).

D. C., Wash.—Foundation and substructure—Col. Ridley, Pub. Bldgs. and Ground, received bids Oct. 23, building foundation and substructure of coping for reflecting pool, in West Potomac Park, (1) work complete, from Cranford Paving Co., 2620 E St., N. W., (1) $77,823, (3) $1.75, (4) ($0.90 (note no steel shell); C. H. Tompkins, 1812 Park Rd., (1) $81,000, (2) $79,000, (3) $2, (4) $0.85, (note no steel shell); Boyle-Robertson Constr. Co., 601 Evans Bldg., (1) $82,000, (2) $81,278, (3) $2, (4) $0.75. Noted Sept. 30.

Va. Ft. Myer—Dry Cleaning Building—Chief of Construction, Quartermaster's Corps, War Trade Bldg., Wash., D. C., received bids Oct. 18, building, here, from W. E. Mooney, Evans Bldg., Wash., D. C., $4,849, (60 days); H. C. Ball, Dist. Natl. Bank Bldg., Wash., D. C., $5,367, (45 days); J. B. Knight Wash., D. C., $5,403, 90 days.) Noted Oct. 14.

W. Va., Wheeling—Lighting, Wiring, etc.—Treas. Dept., Wash., D. C., received bids Oct. 20, installing lighting, wiring, water piping, etc., at U. S. Post Office, Court House and Custom House, here, from W. Wilby, Selma, Ala., $4,535, (90 days); E. P. Warren & Co., Newport News, Va., $7,400, (120 days); W. Hare & Sons, 46 14th St., $9,446, (125 days). Noted Oct. 7.

★Fla., Jacksonville—Scotch Marine Boilers—U. S. Engineer let contract installing in dredge "Barnard," to Charleston Dry Dock & Machine Co., $95,800. Noted Sept. 23.

★Tenn., Memphis—Steel Barges—Mississippi River Comm., 1st and 2d Dists., Custom House, let contract furnishing steel barges, to Nashville Bridge Co., foot of Shelby Ave., Nashville, $85,960. Noted Sept. 16.

★Mo., St. Louis—Heating and Electrical Repairs — Treas. Dept., Wash., D. C., let contract for heating and electrical repairs, at Marine Hospital, here, to W. Wilby, Selma, Ala., $4,892.

★Tex., Galveston — Redredging — U. S. Engineer, War Dept., Wash., D. C., let contract redredging part of waterway from here to Corpus Christi, to J. Jacobson, Galveston, $4,000.

Col., Ft. Lyon—Concrete Pavement, etc.—Spec. 4257—Bureau Yards & Docks, Navy Dept., Wash., D. C., received bid Oct. 20, building concrete pavement, relocating and extending pipe lines, at Naval Hospital, here, from Newport Contg. & Eng. Co., Law Bldg., Newport News, Va., $113,242, (150 days). Noted Sept. 30.

Cal., San Diego—Fire Alarm System—Spec. 4288—Bureau Yards & Docks, Navy Dept., Wash., D. C., received bid building, here, from Gamewell Fire Alarm Telegraph Co., 70 East 45th St., New York City, $27,853, (90 days). Noted Oct. 7.

★Cal., San Francisco—Marine Hospital—Treas. Dept., Wash., D. C., let contract furnishing labor and material, altering and repairing Marine Hospital here, to H. Lawson, 344 4th Ave., $2,008.

Miscellaneous

PROPOSED WORK

Golf Course—Farmington, Conn.—Country Club of Farmington plans to build new 18 hole course, including grading, excavating, etc. About $35,000. J. L. Howard, pres.

Wall—Ossining, N. Y.—C. F. Rattigan, supt. State Prisons, Capitol, Albany, opens bids about Dec. 6, building stone and concrete wall here. About $500,000. L. F. Pilcher, Hall of Records, New York City, state archt.

Pavilion—Belmar, N. J.—Boro. Council receives bids about Nov. 15, building Pavilion No. 2, 2 story, 50 x 300 ft. About $60,000. C. B. Cook, Belmar, archt.

Memorial Tower, etc.—West Raleigh (Raleigh P. O.), N. C.—State College Alumni plans to build 100 ft. tower, with clock and chimes. About $50,000. E. B. Owen, secy.-treas.

Park Improvements—Spartanburg, S. C.—City voted $50,000 bonds for park improvements. Noted May 6.

Bathing Casino, Pier, etc.—Lake Worth, Fla.—City voted $100,000 bonds to build bathing casino, pier, etc.

Car Barns—Detroit, Mich.—Street Ry. Comn. plans to build brick, concrete and steel car barns for new municipal street car lines, on Shoemaker, Warren, Lillibridge and St. Jean Aves. About $300,000. W. C. Markham, 410 City Hall, engr.

Park Improvements—Manitowoc, Wis.—City having plans prepared improving 52 acres new Lincoln Park. About $399,000.

Recreation—Wayzata, Minn.—Village and Commercial Club having plans prepared by Morell & Nichols, archts., 901 Palace Bldg., Minneapolis, for recreation center, work includes street widening, sodding, tree planting, bathing facilities and building municipal pier.

Water Front Improvements — Aransas Pass, Tex.—City election, Nov. 9, to vote on $225,000 bonds to improve water front. R. Savage, Corpus Christi, atty.

Tunnel—Houston, Tex.—City Council having plans prepared for tunnel on North Main St., under railroad tracks, 21 ft. wide on each side of double structure, including space for street car tracks. About $200,000. J. C. McVea, city engr.

Incinerator—Wichita Falls, Tex.—City voted $25,000 bonds to build incinerator. J. Montgomery, city engr. Noted Oct. 7.

Playground Improvements — Wichita Falls, Tex.—City voted $35,000 bonds to improve playgrounds. J. Montgomery, city engr.

Swimming Pool—Ada, Okla.—City voted $15,000 bonds to build swimming pool. Johnson & Benham, Kansas City, Mo., engrs.

Bathhouse—La Jolla, Cal.—City having plans prepared by G. A. Hanssen, archt., San Diego, for brick bathhouse, equipment and improvements to water front. Cost between $25,000 and $30,000. Election will be called to vote on bonds for project.

Pumps—Montreal, Que.—Montreal Water Bd. soon receives bids for two 12,000,000 gal. and one 6,000,000 gal. pumps.

BIDS DESIRED

Heating, etc.—Ossining, N. Y.—Until Nov. 23, by C. F. Rattigan, supt. State Prisons, Capitol, Albany, for heating, sanitary and electric work, etc., at Sing Sing Prison, here; advertised in this issue.

Paving Bricks—Phila., Pa.—Sears Roebuck Co., Arthington St. and Homan Ave., Chicago, receiving bids on 160,000 paving bricks for new plant, here.

Foundation—Pittsburgh, Pa.—Pittsburgh Malleable Iron Co., 57th St. and Allegheny River, receiving bids on foundation for 202 x 322 ft. foundry. Total cost about $500,000. F. Chase, 645 North Michigan Ave., Chicago, archt.

Concrete Mixer—Cleveland, O.—H. C. Schrader Constr. Co., 1643 East 40th St., receiving bids for concrete mixer.

Power Plant Equipment—Michigan City, Ind.—Until Nov. 9, by city, for one 8,000,000 gal. high duty pumping engine, two water tube boilers and stokers, feed water heaters, boiler feed pumps and miscellaneous equipment. D. C. Ford, city engr.; advertised in this issue.

Backfiller—Detroit, Mich.—Until Nov. 2, by J. A. Martin, comr. Purchases & Supplies, City Hall, furnishing gasoline driven backfiller with 4 cylinder type engine and caterpiller traction with 35 ft. boom, for Dept. Pub. Wks.

Testing Machines, etc.—Detroit, Mich.—Until Nov. 1, by Dept. Purchases & Supplies, furnishing 1 Universal testing machine of 300,000 lb. capacity, with necessary tools and equipment. G. J. Finn, purch. agt.

Rock Crusher—Darlington, Wis.—City receiving bids for rock crusher, complete. R. E. Orton, mayor.

Tractor—Kenosha, Wis.—Kenosha Co. receiving bids for tractor for snow plow. J. Herzog, highway comr.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★Piles, Bulkhead, etc.—Brooklyn, N. Y.—E. S. Walsh, supt. Pub. Wks., Capitol, Albany, let contract driving foundation piles for proposed grain elevator, building concrete bulkhead wall along Henry St. and dredging Henry St. Basin, Gowanus Bay, here, Contr. T-79, to Raymond Concrete Pile Co., 90 West St., New York City, $428,269. Noted Oct. 21.

★Electric Generator Set, etc.—Marcy, N. Y.—State Hospital Comn., Capitol, Albany, let contract furnishing electric generator, etc., at Utica State Hospital, here, to Mack & Mack, 103 Park Ave., New York City, $23,513. Noted Oct. 14.

★Tunnels, etc.—Marcy, N. Y.—State Hospital Comn., Capitol, Albany, let contract building heating tunnels and furnishing pipe for steam, etc., at Utica State Hospital, here, to M. Kantrowitz, Market St., Albany, $705,092. Noted Oct. 14.

Pavilions—Randalls Island (New York P. O.), N. Y.—Dept. Pub. Welfare, Municipal Bldg., received bids Oct. 21, altering and repairing (1) Tredgold, (2) Nightingale Pavilions, (3) combined, from G. E. Ward, 417 East 34th St., New York City, (1) $35,000, (2) $34,844, (3) $69,873; Bertwin Constr. Co., 103 Park Ave., New York City, (1) $36,800, (2) $37,200, (3) $74,000; M. D. Lundin, 235 East 122nd St., New York City, (1) $36,389, (2) $36,498, (3) $72,489; S. Guidera, (2) $36,775. Noted Oct. 14.

★Plumbing System—Cleveland, O.—Bd. Educ., Rockwell Ave., let contract installing plumbing system in Miles Standish School, East 92d St. and Parkgate Ave., to Potlowski Plumbing Co., East 40th St., $76,543.

★Portland Cement—Detroit, Mich.—Street Ry. Comn., 410 City Hall, let contract furnishing 40,000 bbl. Portland cement, to Universal Portland Cement Co., 210 South La Salle St., Chicago, and 10,000 bbl., to Wabash Portland Cement Co., 1824 Ford Bldg., at $3.71 per bbl. in cloth sacks, less $0.25 each for returned sacks.

Miscellaneous (Continued)

Foundation—Milwaukee, Wis.—Bd. Industrial Educ., 62 Mason St., received bids Oct. 21, building rein.-con. foundation, for 2nd unit of Continuation School, 7 story, 145 x 268 ft., 6th and Prairie Sts., from E. Steigerwald Co., 3607 Vliet St., $94,840. Noted Oct. 14, under "Buildings."

★Transmission Line, etc.—Sabin, Minn.—City let contract for materials for 18 mi. high tension transmission line from here to point near Fargo, N. D., and for electric distribution system here, to St. Paul Electric Co., 145 East 5th St., St. Paul. About $25,000.

★Pipeline — Beaumont, Kan. — Wichita Natural Gas Co., 349 North Main St., let contract laying 24 mi. 8 in. pipeline from gas field, here, north to New Youngfield and west to Eldorado, to Meredith Constr. Co., Eldorado. About $500,000.

Federal Power Commission Applications

Applications before the Federal Power Commission, Washington, D. C., up to and including September 28, 1920.

1. Dixie Power Co., Title Guaranty Bldg., St. Louis, Mo. License for dam and Power House, White River, Ark., for mining, transportation, etc.

2. C. W. Spoerry, Bonners Ferry, Idaho. Preliminary permit for power plant on Moyie River, Pend d'Oreille Natl. Forest, Idaho, for furnishing power and light to Bonners Ferry, and manufacture of chemicals.

3. Washington Irrigation & Development Co., c/o Electric Bond & Share Co., 71 Bway., New York City. Preliminary permit for reservoir and power house for electrification of railroads, supplying energy to individual plants, for operation of pumping plants to supply water to the arid lands of the region, and for public utility purposes.

4. Speel River Project, 418 Foxcroft Bldg., San Francisco, Cal. Preliminary permit for reservoirs, conduits, power houses, and transportation lines, Speel River, Tease Lake, Crater Lake, Long Lake, Tongass Natl. Forest, Alaska.

5. Rocky Mt. Power Co., c/o Sullivan & Cromwell, 49 Wall St., New York City. Preliminary permit for power project, Flathead Lake and Flathead River, Mont., for railways, electro-chemical and metallurgical industries, municipal, commercial, general utility and other purposes.

6. Niagara County Irrigation & Water Supply Co., c/o Thurman, Bulkley & Quigley (Attorneys for Applicant), 501 Union Trust Bldg., Wash., D. C. Preliminary permit for conduits, power houses, transmission lines, etc., Niagara River, N. Y.

7. Roanoke River Development Co., c/o H. G. Buchanan Pres., 318 Mutual Bldg., Richmond, Va. Preliminary permit for reservoirs, conduits, power houses, transmission lines, etc., Roanoke River, Va., for public utility.

8. St. Lawrence Transmission Co., Potsdam, N. Y. Preliminary permit for power project, St. Lawrence River, N. Y., for public service and private industries.

9. Pitt River Power Co., c/o Harr & Bates, Westory Bldg., 14th and F Sts., Wash., D. C. Preliminary permit for reservoirs, conduits, power houses, and transmission lines, Pitt River, Cal.

10. Sound Power Co., 25 Broad St., New York City. Preliminary permit for reservoirs, conduits and power house, Sultan River and Olney Creek, Wash., for manufacture of pulp and paper.

11. Straits Power Co, Room No. 1517, 25 Broad St., New York City. Preliminary permit for reservoir, conduit and power house, Solduc River and Crescent Lake, Wash., for manufacture of pulp and paper.

12. Big Horn Canyon Power & Irrigation Co., Hardin, Mont. Preliminary permit for Big Horn River, Mont.

13. Ford Motor Co., Dearborn, Mich. License for power plant at Government dam at Green Island, Hudson River, N. Y., for manufacturing.

14. Western New York Utilities Co., Inc., Medina, N. Y. Preliminary permit for diversion of additional 500 s.f. for power development, Erie Canal, N. Y., for public utility.

15. Hydraulic Race Co., Lockport, N. Y. License for diversion of 1,000 s.f. of water, Niagara River, N. Y., for public utility.

16. The Niagara Falls Power Co., Niagara Falls, N. Y. License for diversion of all water permitted under treaty of May 13, 1910, Niagara River, N. Y.

17. Western Tie & Timber Co., 905 Syndicate Trust Co., St. Louis, Mo. Preliminary permit for series of power plants and transmission lines, Current River, Mo

18. Idaho Power Co., c/o Marshall O. Leighton, McLachlen Bldg., Wash., D. C. Preliminary permit for reservoir, conduit and power house, Snake River (Twin Falls), Idaho, for public utility.

19. Idaho Power Co., c/o Marshall O. Leighton, McLachlen Bldg., Wash., D. C. Preliminary permit for reservoir, conduits and power houses, Snake River, (Upper Salmon Falls), Idaho, for public utility.

20. Utah Power & Light Co., c/o Marshall O. Leighton, McLachlen Bldg., Wash., D C. Preliminary permit for Soda Point, Lava, Narrows, and Mink power projects, Bear River, Idaho, for public utility.

21. W. R. Banks, Lock Box 1005, Lamar, Mo. License for dams and conduits, Osage and Niangua Rivers, Mo.

22. Paul T. Brady, 165 Bway., New York City. Preliminary permit for dams and power houses, Delaware River, (Butler's Rift, Bushkill, Belvidere, Barryville-Shohola), N. Y., Pa., N. J., for public utility.

23. Louisville Power Corp., c/o Hugh L. Cooper, 101 Park Ave., New York City. Preliminary permit for dams, conduits, power houses, transmission lines, etc., St. Lawrence River, N. Y.

24. Lower Niagara River Power & Water Supply Co., c/o Hugh L. Cooper, 101 Park Ave., New York City. Preliminary permit for conduits, power houses, transmission lines, etc., Niagara River, N. Y.

25. Niagara, Lockport & Ontario Power Co., Marine Trust Co. Bldg., Buffalo, N. Y. Preliminary permit for conduits, power houses, transmission lines, etc., Niagara River, N. Y.

26. City of Buffalo, Buffalo, N. Y. Preliminary permit for hydro-electric plant, Niagara River, N. Y., for municipal use.

27. Courtland Prentice Chenault, Tulsa, Okla. Preliminary permit for power projects, Arkansas River, Okla., for public utility.

28. J. D. Markham, A. Kelsey, and J. F. Druar, 512-13-14 Globe Bldg., St. Paul, Minn. License for dam and power house, St. Croix River, Minn,

29. Saint Cloud Electric Power Co., c/o St. Cloud Water Power Co., St. Cloud, Minn. Preliminary permit for dam, lock, conduits, etc., Mississippi River, Minn., for public utility.

30. Beckman & Linden Eng. Corp., Atlas Bldg., 604 Mission Street, San Francisco, Cal. Preliminary permit for reservoir and power house, Colorado River, Ariz. and Cal.

31. Canada Syndicate, Ltd., and Duncan, Young & Co., Inc., c/o Duncan, Young & Co., Inc., 111 Bway., New York City. Preliminary permit for power, navigation and storage projects, Delaware River, N. J., Pa., and N. Y.

32. R. W. Hawley, Room 912 Commercial Bldg., 833 Market St., San Francisco, Cal. Preliminary permit for reservoirs, conduits, power houses, and transmission lines, Silver Creek, Cal.

33. C. A. Heberlein, Box 858, Prescott, Ariz. Preliminary permit for power project, Cataract Creek, Grand Canyon Natl. Park, Ariz.

34. Montana Water Power & Electric Co., 702 Spalding Bldg., Portland, Ore. Preliminary permit for power project, South Fork of Flathead or Pend d'Oreille River at outlet of Flathead Lake, Mont.

35. Northwestern Power & Mfg. Co., c/o Donworth, Todd & Higgins, Hoge Bldg., Seattle, Wash. Preliminary permit for reservoir, conduit and power house, Lake Crescent and Lyre River, Wash., for public utility.

36. Alex Polson, M. E. Reed and W. H. Abel, c/o W. H. Abel, Montesano, Wash. Preliminary permit for power project, Wynooche River, Wash., to develop a copper mine.

37. J. Kennard Thomson & Peter A. Porter, c/o Dewitt Clinton, Buffalo Savings Bank Bldg., Buffalo, N. Y. Preliminary permit for reservoir and power house, Niagara River, N. Y.

38. Crown Willamette Paper Co., Pittock Block, Portland, Ore. License for modification of dam and power house, Willamette River, Ore., for manufacture of wood pulp.

39. Millard F. Bowen, 117 Tennessee Ave., Wash., D. C. License for reservoirs, conduits, locks and power houses, Lake Erie, Niagara River and watersheds between Lake Ontario and Hudson River, N. Y., for navigation and power for unstated uses.

40. A. P. Connor, Five Cent Savings Bank Bldg., Springfield, Mass. Preliminary permit for power project, Connecticut River, Mass. and Conn.

41. Alabama Power Co., Birmingham, Ala. Preliminary permit for reservoir and power house, Coosa River, Ala.

42. The Cove Co., Box 557, Ocala, Fla. Preliminary permit for dam and power house, Withlacoochee River, Fla.

43. Big Bend Power Co., c/o F. C. Moon, Room 418 Lynch Bldg., Lynchburg, Va. Preliminary permit for power project, James River, Va.

44. Hugh L. Cooper, 101 Park Ave., New York City. Preliminary permit for reservoir, conduit and power house, Clark Fork of Columbia River, Wash.

45. The Niagara Gorge Power Co., 604 Ellicott Sq., Buffalo, N. Y. Preliminary permit for diversion of water for power purposes, Niagara River, N. Y.

46. W. A. Dromgold, York, Pa. Preliminary permit for dam and power house, Susquehanna River, Pa.

47. Moore's Creek Boulder Gold & Dredging Co., c/o Clinton H. Hartson, Boise, Idaho. License for transmission line, Idaho, to transmit electric energy to works of applicant for use in connection with its mining operations.

48. State of Illinois, c/o The Governor, Springfield, Ill. License for navigation and power project, Desplaines and Illinois Rivers, Ill., for improvement of navigation and development of power for unstated uses.

49. Tri-State Power & Milling Co., and Tri-State Power Co., Salem, Va. Preliminary permit for reservoir and power house, New River, Va. and W. Va.

50. Tongass Alaska Pulp & Paper Co., 817-823 Alaska Bldg., Seattle, Wash. Preliminary permit for reservoirs, conduits and power houses, Fish Creek, Swan Creek, Big Lake, Mirror Lake and Swan Lake, Tongass Natl. Forest, Alaska, for manufacture of pulp and paper.

51. Village of Grand Rapids, Grand Rapids, Minn. Preliminary permit for power plan at Government dam on Mississippi River, Minn., for municipal use.

52. City of Dothan, Dothan, Ala. Preliminary permit for power project, Choctawhatchee River, Ala., for municipal use.

53. W. T. Larimore, Leo E. Mills and Charles E. Bailey, Hugo, Okla. Preliminary permit for power project, Little River, Okla.

54. Washington Development Corp., 1020 L. C. Smith Bldg., Seattle, Wash. Preliminary permit for power and irrigation project, Dungeness River and West Fork Creek, Olympic Natl. Forest, Wash., for power and irrigation.

55. Reed Bingham, Box 228, Pensacola, Fla. Preliminary permit for power projects, Perdido, Styx and Blackwater Rivers, Ala. and Fla.

56. William F. Scheffel, Box 891, Wenatchee, Wash. Prelimnary permit for power and irrigation project, Columbia River, Wash., for power and irrigation.

57. Columbia Valley Power Co., c/o Robert O. Hayward, Pres., 28 Nassau St., New York City. Preliminary permit for dams, conduits, power houses, Deschutes River, Ore., for manufacturing and irrigation.

58. Luther Hill, Independence, Cal. License for dam, conduit, power house. Sawmill Creek, Cal., for pumping for irrigation for farm power and light.

59. Edw. L. Beyard, Seligman, Ariz. Preliminary permit, Colorado River, Ariz., Nev., Hualapai Indian Reservation.

60. L. J. Vogter, 3567 East "B" St., Tacoma, Wash. Preliminary permit, Orchard Lake (Shrimp Bay), Swan Lake (Carroll Inlet), Fish Creek (Thorne Arm), Shelockum Lake (Bailey Bay), Alaska, for manufacture of pulp and paper.

61. Wm. D. Grant, B. Y. Grant, Donald Sinclair, S. C. Shuvick, c/o William D. Grant, Wrangell, Alaska Preliminary permit, Crittenden Creek, Mill Creek, Bradfield River, Alaska, for mining, manufacture of pulp, paper, etc.

OFFICIAL PROPOSALS

Bids: Nov. 8.

Construction of Osage River Bridge

Jefferson City, Mo.

Sealed proposals addressed to the County Court of Cole Co., Missouri, and endorsed "Proposal for the Construction of the Osage River Bridge, Project No. 12," will be received by the court until 10 o'clock a.m., on the eighth day of November, 1920, and at that time will be publicly opened and read at the office of the County Clerk, in the County Court House, Jefferson City, Mo.

The bridge to be build under these specifications is to be located over the Osage River, a short distance south of Huber's Ferry, or Lisletown, Mo., about five (5) miles from the Missouri River. It is to be of structural steel, consisting of one one hundred (100) foot riveted-through-truss vertical-lift span, flanked on each side by two one hundred and forty (140) foot riveted-through truss spans and one sixty (60) foot riveted-pony truss span. The vertical lift span is of the Waddell type. The weight of the span is balanced by concrete counterweights, which are suspended from plough-steel cables which pass over sheaves near the tops of the towers and thence downward to the lift span. The span is to be operated by handpower. The river-pier foundations consist of concrete-filled cribs sunk by open dredging, resting on piles; while the end buried piers rest on spread footings. As shown on the drawings, the deck is to consist of one layer of longitudinal yellow pine plank, 4 in. thick, carried on six-by-eight (6 x 8) in. creosoted ties, two ft. six in. (2 ft. 6 in.) centres, resting on four (4) lines of steel stringers; but alternative bids will be asked on white-oak planks. The handrails are of gas pipe.

Material can be delivered by rail at Osage City, Mo., which is on the Osage River, about four (4) miles below the bridge site. There is a spur track leading to the boat landing for the Osage River boats above the Missouri Pacific Railroad bridge, and the river is navigable at all times of the year from the said boat landing to the bridge site.

Material can be landed from barges at the site on either side of the river. The ground at the west end of the bridge site is level for about six hundred (600) ft. from the end of the bridge, beyond which is a slight ridge. The level stretch is subject to overflow during extreme high water, but the ridge is not. The ground east of the bridge site rises slightly for some three hundred (300) ft., a point above extreme high water being reached about one hundred and fifty (150) ft. from the end of the bridge. Ample space for storge is to be found at either end of the bridge.

From the United States Government Lock and Dam, about two (2) miles up stream from the bridge site to the Missouri River the Osage River is practically a pool or lake under normal conditions. The record of gauge readings (shown on Sheet No. 1) taken just below the lock and dam from 1903 to 1907, indicate the probable variations in the water level. Complete daily records taken at this gauge for about twenty-five (25) years past are on file at the office of the United States Engineers, Kansas City, Mo., and may be examined by bidders at any time.

Occasionally a combination of high water in the Osage River with low water in the Missouri River produces considerable current at the bridge site, but such occurences are infrequent. They are most likely to happen from December to March.

The work to be done will be let under the following contracts to one or more bidders:

Contract No. 1—The manufacture and delivery of structural metal.

Contract No. 2—The manufacture and delivery of the machinery.

Contract No. 3—The construction of the substructure and deck, and the erection of the structural metal and machinery.

Each bidder may tender on any or all of the foregoing contracts.

Plans and specifications are on file and may be inspected in the office of the State Highway Department, Jefferson City, Mo.; the office of the Consulting Engineers, Waddell & Son, 934 Wyandotte Street, Kansas City, Mo., and at the office of the undersigned. A set of plans and specifications can be obtained from the Consulting Engineers upon deposit of ten dollars ($10.00), which amount will be refunded if both plans and specifications are returned in good condition. Proposals shall be submitteed on blank forms provided for the purpose by the undersigned, and shall be accompanied by certified checks or proposal bonds for ten (10) per cent of the engineer's estimate for the contract tendered upon.

The right is reserved by the County Court to reject any or all bids.

County Court of Cole County, Missouri.
E. F. C. HARDING,
County Highway Engineer.

The publication of an advertisement on this page is an official notice that bids are wanted from other than local bidders.

It is also a guarantee that maximum competition is invited because Engineering News-Record is the *one* nationally recognized medium for Proposal advertising. Its Searchlight Section is read each week by nearly every worth-while contractor in this country who bids on public work outside his own city.

Official Proposals reaching our office in first mail Wednesday morning (9 o'clock) can usually be published in the issue out the next day. Special price for Official Proposals, 40 cents a line.

Bids: Oct. 29.

Barge Canal Terminals

STATE OF NEW YORK
OFFICE OF SUPERINTENDENT OF PUBLIC WORKS

Albany, N. Y.

Sealed proposals will be received by the undersigned at his office in the Capitol at Albany, N. Y., until twelve o'clock noon of Friday, October 29th, 1920, at which place and hour they will be publicly opened and read, for the construction of Barge canal terminals pursuant to the provisions of Chapter 746 of the Laws of 1911, and amendatory laws, as follows:

TERMINAL CONTRACT NO. 26-A

For completing the terminal at Rouses Point.

Contract plant sheets 1 and 2.

The work shall be completed on or before July 1st, 1921.

TERMINAL CONTRACT NO. 229

For constructing the foundation of the proposed terminal freighthouse at Rochester. Contract plans, sheets 1 and 2.

Plans may be seen and detailed specifications, engineer's estimates of quantities, proposal blanks, form of contract and bonds required and other information for proposers may be had at the office of the Superintendent of Public Works at Albany, N. Y., at the office of the Assistant Superintendent of Public Works for the Middle Division at Syracuse, N. Y., at the office of the Assistant Superintendent of Public Works for the Western Division at Rochester, N. Y., and at the canal office, Spaulding's Exchange, Buffalo, N. Y.

Copies of detailed plans or drawings may be obtained from the State Engineer and Surveyor at Albany, N. Y., upon payment to him of the cost of producing them.

Monthly estimates will be paid of ninety per centum (90 per cent) of the work done at the contract price. Every proposal for said work must be accompanied by a money deposit in the form of a draft or certified check upon some good banking institution in the city of Albany or New York, issued by a national or state bank or trust company in good credit within the state and payable at sight to the Superintendent of Public Works for five per centum (5 per cent) of the amount of the proposal.

The person whose proposal shall be accepted will be required to execute a contract and furnish bonds within ten days from the date of notice of award delivered to him or them in person or mailed to the address given in the proposal.

Upon execution of the contract and approval of bonds the certified check or draft will be returned to the proposer unless the same shall have been presented for collection prior to such time, in which case the amount of the deposit will be refunded by the Superintendent of Public Works.

The deposits of bidders other than the one to whom the award of contract shall be made will be returned immediately after the award has been made.

The bond required for the faithful performance of each contract shall be in such sum as shall be fixed by the Superintendent of Public Works, which sum shall not be less than twenty per centum (20 per cent) of the estimated cost of the work according to the contract price, and an additional bond, known as the labor bond, in the sum of ten per centum (10 per cent) of the amount of the estimated cost of the work according to the contract price, will be required as security that the contractor will pay in full at least once in each month all laborers employed by him upon the work specified to be done in the contract.

In the event that more than one surety company is offered as surety on said bonds co-insurance only will be accepted.

Each proposal must be addressed to the Superintendent of Public Works, Albany, N. Y., and must be endorsed on the envelope with the name of the construction [illegible] the proposal is made.

[illegible]e, will be made to the person or p[illegible] hose proposal shall be lowest in cost to [illegible] state for doing the work, and which sha[illegible] comply with all provisions required to render it formal. Before any award shall be made the lowest bidder will be required to satisfy the Superintendent of Public Works of his ability to provide suitable equipment and materials for the proper performance of the work.

The right is reserved to reject all proposals and readvertise and award the contract in the regular manner if, in the judgment of the undersigned, the interests of the state will be enhanced thereby.

EDWARD S. WALSH.
Supt. of Public Works.

Bids: Nov. 8.

Installing Steam Pumping Engine and Air Compressor

Charlotte, Mich.

Sealed proposals will be received by the City Clerk of Charlotte up to 7 p.m. of Monday, the eighth day of November, 1920, for the installation of a steam pumping engine and air compressor.

The pump will be the horizontal, double-acting, duplex, crank and fly-wheel type, capacity 3,000,000 gal. The air compressor will be steam driven with a capacity of 500 cu.ft. of free air per minute.

The plans and specifications under which the work is to be done may be examined at the office of the City Clerk, Charlotte, Mich., or at the office of Russell A. Murdoch, Consulting Engineer, 603 Free Press Bldg., Detroit, Mich., and copies of the same may be obtained by making a deposit of $5, which will be refunded upon their return in good condition.

A certified check for a sum not less than 5 per cent of the amount of the proposal will be required with each proposal.

The right to accept any proposal, to reject any or all proposals and to waive defects in proposals, is reserved by the city.

L. S. DODGE,
Mayor.
HOWARD O. TOLBERT,
City Clerk.
Charlotte, Mich.
RUSSELL A. MURDOCH.
Consulting Engineer.
Detroit, Mich.